No. 7-1 Date I/59

Spermatogenic Condition ? 2?

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | m. | |
| 1 | | 56.0 | 25.2 |
| 2 | | 56.0 | 25.2 |
| 3 | | 41.8 | 22.4 |
| 4 | | 56.0 | 25.2 |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 212.8 | 98.0 |
| $\bar{x}$ | | 53.2 | 24.5 |

Sertoli Cells: —

Remarks: more rapid + unidentifiable tissue than tests

E = 11.2 ①

Digitized by the Internet Archive
in 2017 with funding from
CLIR

https://archive.org/details/microscopedata7m00mayh

No. 7-3. Date 11/59

Spermatogenic Condition 4

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 211.5 | 85.5 |
| 2 | | 234.0 | 90.0 |
| 3 | | 193.5 | 67.5 |
| 4 | | 211.5 | 67.5 |
| 5 | | 225.0 | 90.0 |
| 6 | | 256.5 | 94.5 |
| 7 | | 202.5 | 72.0 |
| 8 | | 234.0 | 112.5 |
| 9 | | 207.0 | 90.0 |
| 10 | | 270.0 | 135.0 |
| T | | 2245.5 | 904.5 |
| $\bar{x}$ | | 224.6 | 90.4 |

Sertoli Cells: —

Remarks: very few spermatids

E —

No. _____ Date _____

Spermatogenic Condition _____

| | Interstitial Cell nucleary diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: _____

Remarks: _____

No. 7-5 Date 11c/59

Spermatogenic Condition [illegible] 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | ~~22.8~~ 53.2 | |
| 2 | | ~~25.2~~ 58.8 | |
| 3 | | ~~15.6~~ 36.4 | |
| 4 | | ~~21.6~~ 50.4 | |
| 5 | | ~~20.4~~ ~~17.0~~ 47.6 | |
| 6 | | ~~15.6~~ 36.4 | |
| 7 | | ~~18.0~~ 42.0 | |
| 8 | | ~~20.4~~ ~~17.0~~ 47.6 | |
| 9 | | ~~25.2~~ 58.8 | |
| 10 | | ~~19.2~~ 44.8 | |
| T | | 476.0 | |
| $\bar{x}$ | | 47.6 | |

Sertoli Cells:

Remarks: very small piece of testis(?) - few cells w/ no lumen per tubule (imm animal)

No. _____ Date _____

Spermatogenetic Condition _____

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: _____

Remarks: _____

No. 7-6 imm Date II/59

Spermatogenic Condition _____

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | ~~22.8~~ 53.2 | |
| 2 | | ~~18.0~~ 42.0 | |
| 3 | | ~~16.8~~ 39.2 | |
| 4 | | ~~18.0~~ 42.0 | |
| 5 | | ~~16.8~~ 39.2 | |
| 6 | | ~~19.2~~ 44.8 | |
| 7 | | ~~16.8~~ 39.2 | |
| 8 | | ~~18.0~~ 42.0 | |
| 9 | | ~~14.4~~ 33.6 | |
| 10 | | ~~18.0~~ 42.0 | |
| T | | 417.2 | |
| $\bar{x}$ | | 41.7 | |

Sertoli Cells: —

Remarks: few cells w/ no lumen per tubule

$E = \frac{8.4}{3.6}\ \mu$ ①

No. 7-9 Date III/59

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 180.0 | 90.0 |
| 2 | | 131.6 | 94.8 |
| 3 | | 189.4 | 50.4 |
| 4 | | 112.0 | 73.2 |
| 5 | | 100.4 | 96.0 |
| 6 | | 131.6 | 101.6 |
| 7 | | 137.2 | 53.6 |
| 8 | | 165.2 | 61.6 |
| 9 | | 123.2 | 94.3 |
| 10 | | 151.2 | 70.0 |
| T | | 1356.8 | 791.2 |
| $\bar{x}$ | | 138.7 | 59.1 |

Sertoli Cells: —

Remarks: some intertubular spaces

L —

No. 7-10 Date 11/59

Spermatogenic Condition 3

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 140.0 | 50.4 |
| 2 | 134.4 | 42.0 |
| 3 | 134.4 | 50.4 |
| 4 | 173.6 | 70.0 |
| 5 | 112.0 | 30.8 |
| 6 | 126.0 | 53.2 |
| 7 | 117.6 | 42.6 |
| 8 | 131.6 | 42.0 |
| 9 | 114.8 | 39.2 |
| 10 | 112.0 | 47.6 |
| T | 1296.4 | 473.2 |
| $\bar{x}$ | 129.6 | 47.3 |

Sertoli Cells: —

Remarks: some debris in lumens

E = 14.0 μ ①

No. 7-11. Date 11/59

Spermatogenic Condition with = 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | 202.5 | 81.0 |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | 202.5 | 81.0 |

Sertoli Cells:

Remarks: cells pulled away from basement membrane

E = 19.6 μ (5) (1)

No. [illegible] Date [illegible]

Spermatogenic Condition _____

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: —

Remarks: nuclei abnormal, little or no cytoplasm in cells

No. 7-13 (10um) Date 11/59

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | 3.4 | M. 61.6 | 16.8 |
| 2 | 7.3 | 53.3 | 25.0 |
| 3 | 5.6 | 69.4 | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | 16.8 | 184.8 | 49.8 |
| $\bar{x}$ | 5.6 | 61.6 | 22.4 |

Sertoli Cells:

Remarks: more c.t. than usual

No. 7.14 (mm) Date 116/59

Spermatogenic Condition

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 42.0 | |
| 2 | 44.8 | |
| 3 | 39.2 | |
| 4 | 33.6 | |
| 5 | 33.6 | |
| 6 | 44.8 | |
| 7 | 36.4 | |
| 8 | 53.2 | |
| 9 | 33.6 | |
| 10 | 42.0 | |
| T | 403.2 | |
| $\bar{x}$ | 40.3 | |

Sertoli Cells:

Remarks: few cells, no lumen

E = 8.4 μ ①

No. 7-18 Date 14/5-9

Spermatogenic Condition I

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | ~~[illegible]~~ 58.0 | 19.6 |
| 2 | | 67.2 | 19.6 |
| 3 | | 67.2 | 25.2 |
| 4 | | 56.0 | 25.2 |
| 5 | | 56.0 | 25.2 |
| 6 | | 67.2 | 28.0 |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 369.6 | 142.8 |
| $\bar{x}$ | | 61.6 | 23.8 |

Sertoli Cells: —

Remarks: very few cells, all large
tissue abnormal for ad normal - tubule
only 1 cell layer thick

E = 8.4μ ① ⑤

No. 7-19 Date 12/59

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 319.5 | 54.0 |
| 2 | | 229.5 | 49.5 |
| 3 | | 297.0 | 90.0 |
| 4 | | 265.5 | 76.5 |
| 5 | | 216.0 | 76.5 |
| 6 | | 283.5 | 72.0 |
| 7 | | 297.0 | 90.0 |
| 8 | | 252.0 | 90.0 |
| 9 | | 216.0 | 67.5 |
| 10 | | 306.0 | 112.5 |
| T | | 2736.0 | 750.5 |
| $\bar{x}$ | | 273.6 | 78.0 |

Sertoli Cells: —

Remarks: good blood vessels in testes

F = 50 x 4 (9)

No. 7-20 Date 10/59

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 279.0 | 10.0 |
| 2 | | 243.0 | 81.0 |
| 3 | | 283.5 | 67.5 |
| 4 | | 238.5 | 67.5 |
| 5 | | 315.0 | 112.5 |
| 6 | | 238.5 | 90.0 |
| 7 | | 283.5 | 45.0 |
| 8 | | 270.0 | 90.0 |
| 9 | | 238.5 | 105.0 |
| 10 | | 252.0 | 45.0 |
| T | | 2646.0 | 796.5 |
| $\bar{x}$ | | 264.6 | 79.6 |

Sertoli Cells: —

Remarks:

F = 30.0 µ (3)

No. 7-21 Date 10/54

Spermatogenic Condition 4

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | ~~36.0~~ 84.0 | ~~13.2~~ 30.8 |
| 2 | ~~78.0~~ 112.0 | ~~14.4~~ 33.6 |
| 3 | ~~38.4~~ 89.6 | ~~13.2~~ 30.8 |
| 4 | ~~48.0~~ 112.0 | ~~18.0~~ 42.0 |
| 5 | ~~46.8~~ 109.2 | 42.0 |
| 6 | 100.8 | 33.6 |
| 7 | 112.0 | 33.6 |
| 8 | 114.8 | 34.2 |
| 9 | 100.8 | 42.0 |
| 10 | 131.6 | 34.2 |
| T | 1066.8 | 366.8 |
| $\bar{x}$ | 106.7 | 36.7 |

Sertoli Cells: —

Remarks: Few tubules w/ lumen, fewer than usual cells

No. 7-22 Date 10/5-9

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: tissue appears abnormal — large vacuolated spaces, little cytoplasm

No. 7-23 (imm) Date IV/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 33.6 | |
| 2 | 30.8 | |
| 3 | 36.4 | |
| 4 | 44.8 | |
| 5 | 50.4 | |
| 6 | 42.0 | |
| 7 | 36.4 | |
| 8 | 50.4 | |
| 9 | 33.6 | |
| 10 | 36.4 | |
| T | 394.8 | |
| $\bar{x}$ | 39.5 | |

Sertoli Cells:

Remarks: few cells, no lumen / Tubules
interstitial cells w/ irregular nuclei

E = 8.4 ①

No. 7-24 (1mm) Date 11/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 33.6 | |
| 2 | | 33.6 | |
| 3 | | 33.6 | |
| 4 | | 36.4 | |
| 5 | | 42.0 | |
| 6 | | 36.4 | |
| 7 | | 36.4 | |
| 8 | | 33.6 | |
| 9 | | 33.6 | |
| 10 | | 42.0 | |
| T | | 358.4 | |
| $\bar{x}$ | | 35.8 | |

Sertoli Cells: —

Remarks:

E = x 440 (1)

No. 7-25 (juv) Date 10/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 44.8 | |
| 2 | 36.4 | |
| 3 | 42.0 | |
| 4 | 30.8 | |
| 5 | 33.6 | |
| 6 | 33.6 | |
| 7 | 39.2 | |
| 8 | 36.4 | |
| 9 | 44.8 | |
| 10 | 36.4 | |
| T | 378.0 | |
| $\bar{x}$ | 37.8 | |

Sertoli Cells: —

Remarks: few cells

E = 14.0 μ ③ ①

No. T-26 (100) Date 11/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | ~~33.6~~ 54.0 | |
| 2 | | 36.4 | |
| 3 | | 30.8 | |
| 4 | | 39.2 | |
| 5 | | 36.4 | |
| 6 | | 25.0 | |
| 7 | | 39.2 | |
| 8 | | 36.4 | |
| 9 | | 39.2 | |
| 10 | | 42.6 | |
| T | | 387.2 | |
| $\bar{x}$ | | 38.7 | |

Sertoli Cells: —

Remarks: few cells

No. 7-37 Date V/57

Spermatogenic Condition 5 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 193.5 | 45.0 |
| 2 | | 225.0 | 67.5 |
| 3 | | 216.0 | 45.0 |
| 4 | | 216.0 | 36.0 |
| 5 | | 193.5 | 45.0 |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 1044.0 | 238.5 |
| $\bar{x}$ | | 208.8 | 47.7 |

Sertoli Cells:

Remarks: stain faint - difficult to measure

No. 7-38 Date 11/59

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 148.5 | 45.0 |
| 2 | | 198.0 | 45.0 |
| 3 | | 157.5 | 45.0 |
| 4 | | 153.0 | 36.0 |
| 5 | | 148.5 | 90.5 |
| 6 | | 211.5 | 54.0 |
| 7 | | 166.5 | 31.5 |
| 8 | | 144.5 | 45.0 |
| 9 | | 207.0 | 45.0 |
| 10 | | 162.0 | 40.5 |
| T | | 1719.0 | 427.5 |
| $\bar{x}$ | | 171.9 | 42.8 |

Sertoli Cells: —

Remarks: stain poor

No. 7-39 (4mm) Date 4/59

Spermatogenic Condition D

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 1 – 36.0 | |
| 2 | | 2 – 54.0 | |
| 3 | | 10 – 45.0 | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 135.0 | |
| $\bar{x}$ | | 45.0 | |

Sertoli Cells:

Remarks: only connective tissue on slide a; small piece of testis on slide b

No. 7-40 Date V/59

Spermatogenic Condition 5

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 33 = 148.5 | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells:

Remarks: tissue fell apart on slide - only a few intact tubules

No. 7-43 (mm) Date V/5 '9

Spermatogenic Condition

| | Interstitial Cell nuclear diam. μ. | Seminiferous tubule diam. μ. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: wi Tubules in X section

No. 7-47 Date [illegible]

Spermatogenic Condition (2) = 6 (2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 36 - 162.0 | 10 = 45.0 |
| 2 | 44 198.0 | 10 45.0 |
| 3 | 43 193.5 | 10 45.0 |
| 4 | 47 211.5 | 10 45.0 |
| 5 | 33 148.5 | 10 45.0 |
| 6 | 38 171.0 | 10 45.0 |
| 7 | 41 198.0 | 11 49.5 |
| 8 | 35 157.5 | 10 45.0 |
| 9 | 43 216.0 | 10 45.0 |
| 10 | 40 180.0 | 10 45.0 |
| T | 1836.0 | 454.5 |
| $\bar{x}$ | 183.6 | 45.4 |

Sertoli Cells:

Remarks:

No. 7-48 Date 4/59

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 42 | = 189.0 | 10 | = 45.0 |
| 2 | 46 | 207.0 | 10 | 45.0 |
| 3 | 50 | 225.0 | 12 | 54.0 |
| 4 | 43 | 193.5 | 12 | 54.0 |
| 5 | 66 | 297.0 | 11 | 49.5 |
| 6 | 46 | 207.0 | 10 | 45.0 |
| 7 | 58 | 261.0 | 12 | 54.0 |
| 8 | 50 | 225.0 | 12 | 54.0 |
| 9 | 58 | 261.0 | 11 | 49.5 |
| 10 | 45 | 202.5 | 8 | 36.0 |
| T | | 2268.0 | | 486.0 |
| $\bar{x}$ | | 226.8 | | 48.6 |

Sertoli Cells:

Remarks: stain to light

E = 40.5 μ (4)

No. 7-49 Date 2/59

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 43 | 193.5 | 10 | 45.0 |
| 2 | 40 | 180.0 | 12 | 54.0 |
| 3 | 33 | 148.5 | 10 | 45.0 |
| 4 | 33 | 148.5 | 10 | 45.0 |
| 5 | 41 | 184.5 | 6 | 27.0 |
| 6 | 44 | 198.0 | 12 | 54.0 |
| 7 | 44 | 198.0 | 9 | 40.5 |
| 8 | 35 | 157.5 | 10 | 45.0 |
| 9 | 38 | 171.0 | 12 | 54.0 |
| 10 | 30 | 135.0 | 10 | 45.0 |
| T | | 1714.5 | | 454.5 |
| $\bar{x}$ | | 171.4 | | 45.4 |

Sertoli Cells: —

Remarks:

E = 40.5 μ (4)

No. 7-51 Date 1/6/59

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 47 - 211.5 | 10 - 45.0 |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells:

Remarks: tissue injured in preparation - sperm passed through; Tubule structure broken down

E = 18.0 μ (2) (5)

No. 7-52 Date 4/59

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 30 - 135.0 | 10 - 45.0 |
| 2 | 33 148.5 | 10 45.0 |
| 3 | 36 162.0 | 11 49.5 |
| 4 | 45 202.5 | 10 45.0 |
| 5 | 37 166.5 | 10 45.0 |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | 814.5 | 229.5 |
| $\bar{x}$ | 162.9 | 45.9 |

Sertoli Cells:

Remarks: tissue injured in preparation

No. [illegible] Date [illegible]/59

Spermatogenic Condition (2) [illegible] 7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 32 - 144.0 | 9 - 40.5 |
| 2 | 46 207.0 | 12 54.0 |
| 3 | 35 157.5 | 8 36.0 |
| 4 | 38 171.0 | 13 58.5 |
| 5 | 42 189.0 | 10 45.0 |
| 6 | 31 139.5 | 9 40.5 |
| 7 | 39 175.5 | 11 49.5 |
| 8 | 47 211.5 | 11 49.5 |
| 9 | 32 144.0 | 10 45.0 |
| 10 | 39 175.5 | 8 36.0 |
| T | 1714.5 | 454.5 |
| $\bar{x}$ | 171.4 | 45.4 |

Sertoli Cells:

Remarks: strange "cyst" in tissue w/ elongate nuclei - 40.6 x 103.9 (slide a) tubules look like they are disintegrating

E = 11.2 μ (2) (5)

No. 7-54 Date VI/59

Spermatogenic Condition 8

③

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | 30. – 135.0 | |
| 1 | | 21 94.5 | |
| 2 | | 21 94.5 | |
| 3 | | 27 121.5 | |
| 4 | | 21 121.5 | |
| 5 | | 23 103.5 | |
| 6 | | 24 108.0 | |
| 7 | | 23 103.5 | |
| 8 | | 30 135.0 | |
| 9 | | 28 126.0 | |
| 10 | | 27 121.5 | |
| T | | 1264.5 | |
| $\bar{x}$ | | 115.0 | |

Sertoli Cells:

Remarks: tubules 1-2 cell layers thick, occasional cells w/ large nuclei w/ very distinct nucleolus & chromatin granules; masses of [illegible] [illegible] disintegrating tubules; several large blood vessels

E = ~~4.8~~ 11.2 µ ①

No. 2-5.5 Date 4/59

Spermatogenic Condition = 7

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 135 - 157.5 | 7 - 31.5 |
| 2 | | 38 171.0 | 8 36.0 |
| 3 | | 41 184.5 | 10 45.0 |
| 4 | | 38 171.0 | 9 40.5 |
| 5 | | 42 189.0 | 11 49.5 |
| 6 | | 40 180.0 | 8 36.0 |
| 7 | | 99 220.5 | 7 31.5 |
| 8 | | 36 162.0 | 8 36.0 |
| 9 | | 36 162.0 | 7 31.5 |
| 10 | | 38 171.0 | 7 31.5 |
| T | | 1765.5 | 369.0 |
| $\bar{x}$ | | 176.5 | 36.9 |

Sertoli Cells: —

Remarks:

E = 45μ

No. 7.56 Date 6/57

Spermatogenic Condition (2) 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 40 — 180.0 | 8 — 36.0 |
| 2 | | 43 193.5 | 11 49.5 |
| 3 | | 39 175.5 | 6 27.0 |
| 4 | | 47 211.5 | 11 49.5 |
| 5 | | 44 198.0 | 9 40.5 |
| 6 | | 34 153.0 | 9 40.5 |
| 7 | | 47 211.5 | 15 67.5 |
| 8 | | 49 220.5 | 12 54.0 |
| 9 | | 60 270.0 | 10 45.0 |
| 10 | | 50 225.0 | 10 45.0 |
| T | | 2038.5 | 454.5 |
| $\bar{x}$ | | 203.8 | 45.4 |

Sertoli Cells: —

Remarks: Large no of blood vessels

No. 7-5.7 Date Vb/59

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 23 - 103.5 | |
| 2 | 22 99.0 | |
| 3 | 22 99.0 | |
| 4 | 23 103.5 | |
| 5 | 25 112.5 | |
| 6 | 22 99.0 | |
| 7 | 24 108.0 | |
| 8 | 26 117.0 | |
| 9 | 24 108.0 | |
| 10 | 25 112.5 | |
| T | 1062.0 | |
| $\bar{x}$ | 106.2 | |

Sertoli Cells:

Remarks: a few w/ lumen; some masses of cells - possibly disintegrating tubules

E = 14.0μ ①

No. 7-58 Date 11/59

Spermatogenic Condition = 7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 45 - 202.5 | 14 - 63.0 |
| 2 | 50 225.0 | 8 36.0 |
| 3 | 50 225.0 | 9 40.5 |
| 4 | 43 193.5 | 8 36.0 |
| 5 | 45 202.5 | 10 45.0 |
| 6 | 48 216.0 | 15 67.5 |
| 7 | 50 225.0 | 14 63.0 |
| 8 | 46 207.0 | 10 45.0 |
| 9 | 56 252.0 | 9 40.5 |
| 10 | 39 175.5 | 7 31.5 |
| T | 2124.0 | 468.0 |
| $\bar{x}$ | 212.4 | 46.8 |

Sertoli Cells: —

Remarks: some intertubular spaces

No. 7-60 Date 12/5/9

Spermatogenic Condition (2) = 7

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 55 - 261.0 | 10 - 45.0 |
| 2 | | 39 175.5 | 10 45.0 |
| 3 | | 54 243.0 | 10 45.0 |
| 4 | | 43 193.5 | 9 40.5 |
| 5 | | 48 216.0 | 4 27.0 |
| 6 | | 47 211.5 | 7 31.5 |
| 7 | | 42 189.0 | 9 40.5 |
| 8 | | 50 225.0 | 10 45.0 |
| 9 | | 41 184.5 | 8 36.0 |
| 10 | | 37 166.5 | 6 27.0 |
| T | | 2065.5 | 382.5 |
| $\bar{x}$ | | 206.6 | 38.2 |

Sertoli Cells:

Remarks: large pieces of desintegrating tubules in interstitial spaces

No. 7-61 Date VI/59

Spermatogenic Condition 7

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 44 - 198.0 | 6 - 27.0 |
| 2 | | 45 202.5 | 5 22.5 |
| 3 | | 49 220.5 | 10 45.0 |
| 4 | | 42 189.0 | 8 36.0 |
| 5 | | 44 198.0 | 6 27.0 |
| 6 | | 41 184.5 | 5 22.5 |
| 7 | | 33 148.5 | 10 45.0 |
| 8 | | 32 144.0 | 8 36.0 |
| 9 | | 38 171.0 | 8 36.0 |
| 10 | | 38 171.0 | 10 45.0 |
| T | | 1827.0 | 342.0 |
| $\bar{x}$ | | 182.7 | 34.2 |

Sertoli Cells: —

Remarks:

E = 15.0 μ (2)

No. 7-62 (imm) Date VI/59

Spermatogenic Condition _____

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 10 ~~28.0 45.0~~ | |
| 2 | | 13 ~~36.4 46.5~~ | |
| 3 | | 12 ~~33.6 45.0~~ | |
| 4 | | 12 ~~33.6 45.0~~ | |
| 5 | | 13 ~~36.4 46.5~~ | |
| 6 | | 11 ~~30.8 41.5~~ | |
| 7 | | 12 ~~33.6 45.0~~ | |
| 8 | | 11 ~~34.2 46.0~~ | |
| 9 | | 12 ~~33.6 45.0~~ | |
| 10 | | 12 ~~33.6 45.0~~ | |
| T | | 338.8 | |
| $\bar{x}$ | | 33.9 | |

Sertoli Cells: —

Remarks: _____

E = 11.2 μ ①

No. 7-63 (mm) Date VI/57

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: spaces in tissue; epithelium retracted; tubules collapsed

No. 7-65 (jov) Date VI/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 13 ~~36.4~~ ~~58.5~~ | |
| 2 | | 10 ~~38.0~~ ~~45.0~~ 36.4 | |
| 3 | | 13 ~~58.5~~ 28.0 | |
| 4 | | 10 ~~45.0~~ 30.8 | |
| 5 | | 11 ~~49.5~~ 33.6 | |
| 6 | | 12 ~~54.0~~ 36.4 | |
| 7 | | 13 ~~58.5~~ 36.4 | |
| 8 | | 13 ~~58.5~~ 42.0 | |
| 9 | | 15 ~~67.5~~ 36.4 | |
| 10 | | 13 ~~58.5~~ | |
| T | | 344.4 | |
| $\bar{x}$ | | 34.4 | |

Sertoli Cells:

Remarks:

E = 8.4μ

No. 7-66 (sum) Date VI/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 10 - ~~45.0~~ 28.0 | |
| 2 | 11 ~~49.5~~ 30.8 | |
| 3 | 9 ~~40.5~~ 25.2 | |
| 4 | 10 ~~45.0~~ 28.0 | |
| 5 | 10 ~~45.0~~ 28.0 | |
| 6 | 12 ~~54.0~~ 33.6 | |
| 7 | 13 ~~58.5~~ 36.4 | |
| 8 | 11 ~~49.5~~ 30.8 | |
| 9 | 12 ~~54.0~~ 33.6 | |
| 10 | 16 ~~72.0~~ 44.8 | |
| T | 319.2 | |
| $\bar{x}$ | 31.9 | |

Sertoli Cells: —

Remarks:

E = 5.6 μ

No. 7-18 (imm) Date VII/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 15 ~~42.0~~ | |
| 2 | | 13 ~~36.4~~ | |
| 3 | | 15 ~~42.0~~ | |
| 4 | | 14 ~~39.2~~ | |
| 5 | | 13 ~~36.4~~ | |
| 6 | | 14 ~~39.2~~ | |
| 7 | | 16 ~~44.8~~ | |
| 8 | | 17 ~~47.6~~ | |
| 9 | | 12 ~~33.6~~ | |
| 10 | | 13 ~~36.4~~ | |
| T | | 397.6 | |
| $\bar{x}$ | | 39.8 | |

Sertoli Cells:

Remarks:

$\bar{E} = 11.2\ \mu$

No. 7-8.1 Date VII/59

Spermatogenic Condition VII 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 5 m. — 14.0 | |
| 2 | | 9 11.2 | |
| 3 | | 5 14.0 | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 39.2 | |
| $\bar{x}$ | | 13.1 | |

Sertoli Cells: —

Remarks: Tubule cells highly convoluted + pulled away from basement membrane; few lumina

No. 7-8.2 (1mm) Date VIE/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 13 — 36.4 | |
| 2 | 11 30.8 | |
| 3 | 10 28.0 | |
| 4 | 12 33.6 | |
| 5 | 14 39.2 | |
| 6 | 11 30.8 | |
| 7 | 11 30.8 | |
| 8 | 12 33.6 | |
| 9 | 12 33.6 | |
| 10 | 12 33.6 | |
| T | 330.4 | |
| $\bar{x}$ | 330 | |

Sertoli Cells: —

Remarks:

E = 8.4 μ

No. 7-8-3 Date VII/59

Spermatogenic Condition = 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: tubules very irregular - looks like basement membrane has shrunk to fit enfolded cells which have enlarged themselves; no lumen (completely)

No. 7-8.4 (cross) Date VII/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 16 — 44.8 | |
| 2 | 16 44.8 | |
| 3 | 14 39.2 | |
| 4 | 18 50.4 | |
| 5 | 16 44.8 | |
| 6 | 13 36.4 | |
| 7 | 15 42.0 | |
| 8 | 14 39.2 | |
| 9 | 15 42.0 | |
| 10 | 15 42.0 | |
| T | 425.6 | |
| $\bar{x}$ | 42.6 | |

Sertoli Cells:

Remarks:

E = 11.2 μ

No. 7-8.7 Date VII/59

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 20. - 50.0 | |
| 2 | | 20 50.0 | |
| 3 | | 22 61.6 | |
| 4 | | 19 53.2 | |
| 5 | | 16 44.8 | |
| 6 | | 20 56.0 | |
| 7 | | 22 61.6 | |
| 8 | | 19 53.2 | |
| 9 | | 22 61.6 | |
| 10 | | 19 53.2 | |
| T | | 557.2 | |
| $\bar{x}$ | | 55.7 | |

Sertoli Cells:

Remarks: moderate amt of intercellular connective tissue

E = 14.0 μ

No. 7-89 Date VII/57

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 21 - 58.8 | |
| 2 | | 26 72.8 | |
| 3 | | 20 56.0 | |
| 4 | | 24 67.2 | |
| 5 | | 24 67.2 | |
| 6 | | 20 56.0 | |
| 7 | | 22 61.6 | |
| 8 | | 20 56.0 | |
| 9 | | 22 61.6 | |
| 10 | | 23 64.4 | |
| T | | 621.6 | |
| $\bar{x}$ | | 62.2 | |

Sertoli Cells: —

Remarks:

E = 8.4 μ (1)

No. 7-90 (mm) Date VII/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 14 – 39.2 | |
| 2 | | 14 39.2 | |
| 3 | | 16 44.8 | |
| 4 | | 13 36.4 | |
| 5 | | 14 39.2 | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 198.8 | |
| $\bar{x}$ | | 39.8 | |

Sertoli Cells: —

Remarks: most tubules on long. section

E = 11.2 μ

No. 7-92 Date VII/59

Spermatogenic Condition 7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 22 - ~~61.6~~ 99.0 | 5 - 22.5 |
| 2 | 32 ~~59.6~~ 144.0 | 6 27.0 |
| 3 | 37 ~~103.6~~ 166.5 | 3 13.5 |
| 4 | 25 ~~70.0~~ 112.5 | 6 27.0 |
| 5 | 27 121.5 | 4 18.0 |
| 6 | 21 94.5 | 7 31.5 |
| 7 | 26 117.0 | 5 22.5 |
| 8 | 35 157.5 | 6 27.0 |
| 9 | 24 108.0 | 4 18.0 |
| 10 | 30 135.0 | 2 9.0 |
| T | 1255.5 | 216.0 |
| $\bar{x}$ | 125.6 | 21.6 |

Sertoli Cells:

Remarks: some metamorphosing spermatids, no sperm + little debris in lumina

$\bar{E} = 31.5\mu$ (1)

No. 7-96 Date VII/5-9

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 27 - 121.5 | |
| 2 | | 18 81.0 | |
| 3 | | 24 108.0 | |
| 4 | | 18 81.0 | |
| 5 | | 19 85.5 | |
| 6 | | 16 72.0 | |
| 7 | | 21 94.5 | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 313.5 | |
| $\bar{x}$ | | 91.9 | |

Sertoli Cells:

Remarks: some large intertubular spaces; tubules irregular w/ undulated boundaries; some evidence of infolding

No. 7-97 (mm) Date VII/59

Spermatogenic Condition (5) O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 14 - 39.2 | |
| 2 | | 13 36.4 | |
| 3 | | 12 33.6 | |
| 4 | | 12 33.6 | |
| 5 | | 13 36.4 | |
| 6 | | 12 33.6 | |
| 7 | | 12 33.6 | |
| 8 | | 13 36.4 | |
| 9 | | 13 36.4 | |
| 10 | | | |
| T | | 352.8 | |
| $\bar{x}$ | | 35.3 | |

Sertoli Cells:

Remarks:

E = 14.0 μ

No. 7-101 Date VII/59

Spermatogenic Condition (3) 1

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 17 | 47.6 | 5 | 14.0 |
| 2 | 18 | 50.4 | 6 | 16.8 |
| 3 | 20 | 56.0 | 7 | 19.6 |
| 4 | 18 | 50.4 | 6 | 16.8 |
| 5 | 19 | 53.2 | 5 | 14.0 |
| 6 | 17 | 47.6 | 5 | 14.0 |
| 7 | 22 | 61.6 | 7 | 19.6 |
| 8 | 18 | 50.4 | 5 | 14.0 |
| 9 | 15 | 42.0 | 5 | 14.0 |
| 10 | 14 | 39.2 | 6 | 16.8 |
| T | | 498.4 | | 159.6 |
| $\bar{x}$ | | 49.8 | | 16.0 |

Sertoli Cells: many visible

Remarks: cell in telophase 29.8 x 101.8

good chromosomes 29.7 x 102.0

$\bar{x}$ = 13.5 μ

No. 7-105 (cmm) Date 4/1/59

Spermatogenic Condition = 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 15 - 42.0 | |
| 2 | | 13 36.4 | |
| 3 | | 12 33.6 | |
| 4 | | 13 36.4 | |
| 5 | | 15 - 42.0 | |
| 6 | | 8 22.0 | |
| 7 | | 13 36.4 | |
| 8 | | 13 36.4 | |
| 9 | | 14 39.2 | |
| 10 | | 12 33.6 | |
| T | | 364.0 | |
| $\bar{x}$ | | 36.4 | |

Sertoli Cells:

Remarks:

$\bar{x}$ = 8.4 μ

No. 7-107 (1mm) Date VII/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 14 — 39.2 | |
| 2 | | 12 33.6 | |
| 3 | | 15 42.0 | |
| 4 | | 13 36.4 | |
| 5 | | 15 42.0 | |
| 6 | | 15 42.0 | |
| 7 | | 12 33.6 | |
| 8 | | 11 39.2 | |
| 9 | | | |
| 10 | | 13 36.4 | |
| T | | 356.4 | |
| $\bar{x}$ | | 38.6 | |

Sertoli Cells:

Remarks:

$\bar{E} = 8.4\mu$

No. 7-108 Date VII/59

Spermatogenic Condition (3) 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 22 — 61.6 | |
| 2 | | 11 — 17.6 | |
| 3 | | 19 — 53.2 | |
| 4 | | 20 — 56.0 | |
| 5 | | 26 — 72.8 | |
| 6 | | 30 — 84.0 | |
| 7 | | 24 — 67.2 | |
| 8 | | 21 — 58.8 | |
| 9 | | 23 — 64.4 | |
| 10 | | 27 — 75.6 | |
| T | | 641.2 | |
| $\bar{x}$ | | 64.1 | |

Sertoli Cells:

Remarks:

E = 19.6 μ (1)

No. 7-1.09 Date VII/59

Spermatogenic Condition 7+

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells:

Remarks: tubules indistinct, convoluted

E = 25.2 μ

No. 7-111 Date VIII/59

Spermatogenic Condition 7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 40 | 112.0 | 12 | 33.6 |
| 2 | 28 | 78.4 | 5 | 14.0 |
| 3 | 30 | 84.0 | 8 | 22.4 |
| 4 | 35 | 98.0 | 6 | 16.8 |
| 5 | 42 | 117.6 | 10 | 28.0 |
| 6 | 31 | 86.8 | 8 | 22.4 |
| 7 | 35 | 98.0 | 14 | 39.2 |
| 8 | 40 | 112.0 | 10 | 28.0 |
| 9 | 41 | 114.8 | 7 | 19.6 |
| 10 | 35 | 98.0 | 10 | 28.0 |
| T | | 999.6 | | 252.0 |
| $\bar{x}$ | | 100.0 | | 25.2 |

Sertoli Cells: irregular shape definite nucleolus, diffuse chromatin,

Remarks: no sperm, some debris in lumina, some tubules w/o lumen

cell division 27.8 x 101.2

E = 25.2 μ ①

No. 7-114 Date VIII/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 14 - 39.2 | |
| 2 | | 12 - 33.6 | |
| 3 | | 14 - 39.2 | |
| 4 | | 16 - 44.8 | |
| 5 | | 16 - 44.8 | |
| 6 | | 15 - 42.0 | |
| 7 | | 15 - 42.0 | |
| 8 | | 13 - 36.4 | |
| 9 | | 17 - 47.6 | |
| 10 | | 15 - 42.0 | |
| T | | 411.6 | |
| $\bar{x}$ | | 41.2 | |

Sertoli Cells:

Remarks:

$\bar{E}$ = 11.2 μ

No. 7-115 (mm) Date VIII/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 18 - 50.4 | |
| 2 | | 18 50.4 | |
| 3 | | 18 50.4 | |
| 4 | | 14 39.2 | |
| 5 | | 16 44.8 | |
| 6 | | 15 42.0 | |
| 7 | | 15 42.0 | |
| 8 | | 15 42.0 | |
| 9 | | 15 42.0 | |
| 10 | | | |
| T | | 1145.2 | |
| $\bar{x}$ | | 44.5 | |

Sertoli Cells:

Remarks:

EC 11 2 m

No. 7-116 (mm) Date VIII/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (5) | Seminiferous epith. height |
|---|---|---|
| 1 | 15 - 42.0 | |
| 2 | 15 42.0 | |
| 3 | 15 42.0 | |
| 4 | 15 42.0 | |
| 5 | 12 33.6 | |
| 6 | 12 33.6 | |
| 7 | 15 42.0 | |
| 8 | 11 30.8 | |
| 9 | 14 39.2 | |
| 10 | 12 33.6 | |
| T | 380.8 | |
| $\bar{x}$ | 38.1 | |

Sertoli Cells:

Remarks:

$\bar{x}$ = 8.4 μ

No. 7-117 (imm) Date VIII/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 31 – 37.2 | |
| 2 | | 35 42.0 | |
| 3 | | 37 44.4 | |
| 4 | | 28 33.6 | |
| 5 | | 32 38.4 | |
| 6 | | 34 40.8 | |
| 7 | | 30 36.0 | |
| 8 | | 30 36.0 | |
| 9 | | 29 34.8 | |
| 10 | | 27 32.4 | |
| T | | 325.6 | |
| $\bar{x}$ | | 37.6 | |

Sertoli Cells:

Remarks: ~ 8 cells in diameter - 1 in metaphase

E = 11.2 μ

No. 7-118 (man) Date VIII/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 14 - 39.2 | |
| 2 | 13 36.4 | |
| 3 | 12 33.6 | |
| 4 | 13 36.4 | |
| 5 | 10 28.0 | |
| 6 | 14 39.2 | |
| 7 | 12 33.6 | |
| 8 | 11 30.8 | |
| 9 | 13 36.4 | |
| 10 | 11 30.8 | |
| T | 344.4 | |
| $\bar{x}$ | 34.4 | |

Sertoli Cells:

Remarks: very small tissue

No. 7-119 Date VIII/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (5) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 15 - 42.0 | |
| 2 | | 18 50.4 | |
| 3 | | 17 47.6 | |
| 4 | | 16 44.8 | |
| 5 | | 18 50.4 | |
| 6 | | 17 47.6 | |
| 7 | | 15 42.0 | |
| 8 | | 16 44.8 | |
| 9 | | 17 47.6 | |
| 10 | | 16 44.8 | |
| T | | 462.0 | |
| $\bar{x}$ | | 46.2 | |

Sertoli Cells:

Remarks: some tubules w/ small lumen

5 = 17.0 μ

No. 7-120 (imm) Date VIII/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 13 - 36.4 | |
| 2 | 19 53.2 | |
| 3 | 14 39.2 | |
| 4 | 11 47.6 | |
| 5 | 12 33.6 | |
| 6 | 12 33.6 | |
| 7 | 11 39.2 | |
| 8 | 13 36.4 | |
| 9 | 13 36.4 | |
| 10 | 13 36.4 | |
| T | 392.0 | |
| $\bar{x}$ | 39.2 | |

Sertoli Cells:

Remarks: >1 cell in division (1 in metaphase)

E = 5.6 μ

No. 7-123 Date VIII/59

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 21 - ~~58.8~~ 94.5 | |
| 2 | 17 ~~47.6~~ 76.5 | |
| 3 | 13 ~~36.4~~ 58.5 | |
| 4 | 17 ~~47.6~~ 76.5 | |
| 5 | 16 ~~44.8~~ 72.0 | |
| 6 | 19 85.5 | |
| 7 | 24 108.0 | |
| 8 | 14 63.0 | |
| 9 | 21 94.5 | |
| 10 | 19 85.5 | |
| T | 814.5 | |
| $\bar{x}$ | 81.4 | |

Sertoli Cells:

Remarks: some intertubular spaces; beaded cores

E = 22.5 (1)

No. 7-131 Date VIII/59

Spermatogenic Condition (2) 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 18 | 31.0 |
| 2 | | 18 | 31.0 |
| 3 | | 18 | 81.0 |
| 4 | | 22 | 99.0 |
| 5 | | 20 | 90.0 |
| 6 | | 22 | 99.0 |
| 7 | | 21 | 94.5 |
| 8 | | 20 | 90.0 |
| 9 | | 23 | 103.5 |
| 10 | | 20 | 90.0 |
| T | | 909.0 | |
| $\bar{x}$ | | 90.9 | |

Sertoli Cells:

Remarks: some atubular spaces, basal lower

E = 22.5 µ (1)

No. 7-132 Date VIII/59

Spermatogenic Condition 9

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 37 - 103.6 | |
| 2 | 38 106.4 | |
| 3 | 25 70.0 | |
| 4 | 27 75.6 | |
| 5 | 36 100.8 | |
| 6 | 32 89.6 | |
| 7 | 37 103.6 | |
| 8 | 38 106.4 | |
| 9 | 30 84.0 | |
| 10 | 29 81.2 | |
| T | 921.2 | |
| $\bar{x}$ | 92.1 | |

Sertoli Cells:

Remarks: many cells in division - most late prophase, 1 telophase, some 1° spermatocytes (?), several metaphase

E = 11.2 μ ①

No. 7-133 Date VIII/59

Spermatogenic Condition 8 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 23. - 78.4 | |
| 2 | | 33 92.4 | |
| 3 | | 33 92.4 | |
| 4 | | 25 70.0 | |
| 5 | | 26 72.8 | |
| 6 | | 40 112.0 | |
| 7 | | 33 92.4 | |
| 8 | | 25 70.0 | |
| 9 | | 23 64.4 | |
| 10 | | 26 72.8 | |
| T | | 317.6 | |
| $\bar{x}$ | | 31.8 | |

Sertoli Cells:

Remarks: some intratubular sperm, beaded sperm, cell debris in a few tubules, convolutions in tubules still visible

C = 19.6 µ

No. 7-134 Date VIII/59

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | c. m. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: a very few cells budding, tubule still convoluted, many inter- & some intra-tubular spaces; difficult to measure because tubules not yet conforming to normal [illegible]

E = 22.4 μ ①

No. 7-135 Date VIII/59

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height |
|---|---|---|---|
| 1 | 23 | 64.4 | |
| 2 | 20 | 56.0 | |
| 3 | 18 | 50.4 | |
| 4 | 22 | 61.6 | |
| 5 | 24 | 67.2 | |
| 6 | 19 | 53.2 | |
| 7 | 25 | 70.0 | |
| 8 | 20 | 56.0 | |
| 9 | 20 | 56.0 | |
| 10 | 20 | 56.0 | |
| T | | 570.8 | |
| $\bar{x}$ | | 59.1 | |

Sertoli Cells:

Remarks: some 1° spermatocytes (?) visible; no lumen

E = 16.8 μ ①

No. 7-136 Date VIII/59

Spermatogenic Condition (3) 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height |
|---|---|---|---|---|
| 1 | | 26 | 72.8 | |
| 2 | | 20 | 56.0 | |
| 3 | | 19 | 53.2 | |
| 4 | | 19 | 53.2 | |
| 5 | | 26 | 72.8 | |
| 6 | | 20 | 56.0 | |
| 7 | | 24 | 67.2 | |
| 8 | | 19 | 53.2 | |
| 9 | | 25 | 70.0 | |
| 10 | | 25 | 70.0 | |
| T | | | 624.4 | |
| $\bar{x}$ | | | 62.4 | |

Sertoli Cells: visible, often paired

Remarks: [illegible] to be appearing in a few tubules! little [illegible]; some tubules w/ groups of [illegible] cells centrally

$\bar{t}$ = 19.62 (1)

No. 7-137 Date VIII/59

Spermatogenic Condition 2 no - #7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 30 - 84.0 | 7 - 19.6 |
| 2 | 24 67.2 | 6 16.8 |
| 3 | 22 61.6 | 6 16.8 |
| 4 | 20 56.0 | 7 19.6 |
| 5 | 31 86.8 | 8 22.4 |
| 6 | 26 72.8 | 5 14.0 |
| 7 | 27 75.6 | 5 14.0 |
| 8 | 21 58.8 | 4 11.2 |
| 9 | 20 56.0 | 7 19.6 |
| 10 | 21 58.8 | 7 19.6 |
| T | 677.6 | 173.6 |
| $\bar{x}$ | 67.8 | 17.4 |

Sertoli Cells:

Remarks: large lumina! no cell division

E = 11.2 μ (1)

No. 7-142 Date IX/59

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 23 – 64.4 | |
| 2 | | 23 64.4 | |
| 3 | | 22 61.6 | |
| 4 | | 20 56.0 | |
| 5 | | 21 58.8 | |
| 6 | | 19 53.2 | |
| 7 | | 23 64.4 | |
| 8 | | 25 70.0 | |
| 9 | | 24 67.2 | |
| 10 | | 23 64.4 | |
| T | | 224.4 | |
| $\bar{x}$ | | 62.4 | |

Sertoli Cells:

Remarks:

No. 7-145 Date IX/[illegible]

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 20 – 56.0 | |
| 2 | | 25 70.0 | |
| 3 | | 33 92.4 | |
| 4 | | 28 78.4 | |
| 5 | | 34 95.2 | |
| 6 | | 32 89.4 | |
| 7 | | 26 72.8 | |
| 8 | | 21 58.8 | |
| 9 | | 25 70.0 | |
| 10 | | 35 18.0 | |
| T | | 751.2 | |
| $\bar{x}$ | | 75.1 | |

Sertoli Cells:

Remarks:

No. 7-150 Date 1X/59

Spermatogenic Condition (3) 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 24 — 67.2 | |
| 2 | | 23 64.4 | |
| 3 | | 22 61.6 | |
| 4 | | 25 70.0 | |
| 5 | | 23 64.4 | |
| 6 | | 24 67.2 | |
| 7 | | 26 72.8 | |
| 8 | | 24 67.2 | |
| 9 | | 23 64.4 | |
| 10 | | 25 70.0 | |
| T | | 669.2 | |
| $\bar{x}$ | | 66.9 | |

Sertoli Cells:

Remarks: dark central nucleus, large intertubular spaces

No. 7-151 Date IX/59

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 35 98.0 | |
| 2 | | 30 84.0 | |
| 3 | | 31 86.8 | |
| 4 | | 32 89.6 | |
| 5 | | 32 89.6 | |
| 6 | | 30 84.0 | |
| 7 | | 30 84.0 | |
| 8 | | 32 89.6 | |
| 9 | | 30 84.0 | |
| 10 | | 24 67.2 | |
| T | | 576.8 | |
| $\bar{x}$ | | 85.7 | |

Sertoli Cells:

Remarks: widely spaced tubules separated by lots of connective tissue

No. 7-153 Date 12/59

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 34 - 95.2 | |
| 2 | | 28 78.4 | |
| 3 | | 27 75.6 | |
| 4 | | 41 114.8 | |
| 5 | | 38 106.4 | |
| 6 | | 26 72.8 | |
| 7 | | 30 84.0 | |
| 8 | | 30 84.0 | |
| 9 | | 38 106.4 | |
| 10 | | 37 103.6 | |
| T | | 921.2 | |
| $\bar{x}$ | | 92.1 | |

Sertoli Cells:

Remarks: few cells in division

F = 22.5 µ (1)

No. 7-154 Date 1/8/59

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 19 53.2 | |
| 2 | | 18 50.4 | |
| 3 | | 17 47.6 | |
| 4 | | 19 53.2 | |
| 5 | | 18 50.4 | |
| 6 | | 18 50.4 | |
| 7 | | 17 47.6 | |
| 8 | | 20 56.0 | |
| 9 | | 19 53.2 | |
| 10 | | 18 50.4 | |
| T | | 512.4 | |
| $\bar{x}$ | | 51.2 | |

Sertoli Cells:

Remarks: residuals and connective tissue

No. 2-155 Date 12/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 16 | 44.8 |
| 2 | | 16 | 44.8 |
| 3 | | 15 | 42.0 |
| 4 | | 15 | 42.0 |
| 5 | | 15 | 42.0 |
| 6 | | 13 | 36.4 |
| 7 | | 16 | 44.8 |
| 8 | | 17 | 47.6 |
| 9 | | 13 | 36.4 |
| 10 | | 16 | 44.8 |
| T | | 425.6 | |
| $\bar{x}$ | | 42.6 | |

Sertoli Cells:

Remarks:

$\bar{x} = 8.4\mu$

No. 7-157 Date x/57

Spermatogenic Condition 0*

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 19 - 553.2 | |
| 2 | | 18 50.4 | |
| 3 | | 17 47.6 | |
| 4 | | 19 53.2 | |
| 5 | | 25 70.0 | |
| 6 | | 17 47.6 | |
| 7 | | 18 50.4 | |
| 8 | | 19 53.2 | |
| 9 | | 17 47.6 | |
| 10 | | 21 58.8 | |
| T | | 532.0 | |
| $\bar{x}$ | | 53.2 | |

Sertoli Cells:

Remarks: * one cell in diameter

No. 7-158 Date x/57

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 19 - 53.2 | |
| 2 | 20 56.0 | |
| 3 | 18 50.4 | |
| 4 | 18 50.4 | |
| 5 | 19 53.2 | |
| 6 | 18 50.4 | |
| 7 | 15 42.0 | |
| 8 | 15 42.0 | |
| 9 | 18 50.4 | |
| 10 | 15 42.0 | |
| T | 490.0 | |
| $\bar{x}$ | 49.0 | |

Sertoli Cells:

Remarks: lumen seems to be developing, poor stain

No. 7-159 Date 8/5/41

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (5) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 22 - 61.6 | |
| 2 | | 21 58.8 | |
| 3 | | 23 64.4 | |
| 4 | | 22 61.6 | |
| 5 | | 21 58.8 | |
| 6 | | 19 53.2 | |
| 7 | | 20 56.0 | |
| 8 | | 25 70.0 | |
| 9 | | 22 61.6 | |
| 10 | | 26 72.8 | |
| T | | 618.0 | |
| $\bar{x}$ | | 61.8 | |

Sertoli Cells:

Remarks: 1 cell on diameter

E - 8.4

No. 7-163 Date X/59

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. ③ | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 45 – 126.0 | 15 – 42.0 |
| 2 | | 42 117.6 | 19 53.2 |
| 3 | | 42 117.6 | 15 42.0 |
| 4 | | 48 134.4 | 11 30.8 |
| 5 | | 42 117.6 | 15 42.0 |
| 6 | | ~~58~~ 50 – 140.0 | ~~45~~ 10 – 28.0 |
| 7 | | ~~41~~ 41 114.8 | ~~22~~ 12 33.6 |
| 8 | | ~~40~~ 50 – 140.0 | ~~15~~ 22 61.6 |
| 9 | | 44 123.2 | 16 44.8 |
| 10 | | 55 154.0 | 20 56.0 |
| T | | 1285.2 | 434.0 |
| $\bar{x}$ | | 128.5 | 43.4 |

Sertoli Cells:

Remarks: w/ lumen ī strange elongate dark things – may be artifact in slide

No. 7-164. Date X/59

Spermatogenic Condition 3

(3)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 44 - 123.2 | 14 - 39.2 |
| 2 | 47 131.6 | — |
| 3 | 46 128.8 | 18 50.4 |
| 4 | 57 159.6 | — |
| 5 | 40 112.0 | — |
| 6 | 42 117.6 | — |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | 772.8 | 89.6 |
| $\bar{x}$ | 128.8 | 44.8 |

Sertoli Cells:

Remarks: few tubules w/ lumen; pro slide

E = 22.5 μ (2)

No. 5-165 Date X/57

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height |
|---|---|---|---|---|
| 1 | | 28 – | 78.4 | |
| 2 | | 30 | 84.0 | |
| 3 | | 30 | 84.0 | |
| 4 | | 27 | 75.6 | |
| 5 | | 25 | 70.0 | |
| 6 | | 28 | 78.4 | |
| 7 | | 35 | 98.0 | |
| 8 | | 25 | 70.0 | |
| 9 | | 23 | 64.4 | |
| 10 | | 29 | 81.2 | |
| T | | | 784.0 | |
| $\bar{x}$ | | | 78.4 | |

Sertoli Cells:

Remarks: strange structure of nuclei at right ∠s

$\bar{x}$ = 19.6 μ (1)

No. 7-166 Date X/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 18 - 50.4 | |
| 2 | | 23 64.4 | |
| 3 | | 19 53.2 | |
| 4 | | 21 58.8 | |
| 5 | | 17 47.6 | |
| 6 | | 20 56.0 | |
| 7 | | 19 53.2 | |
| 8 | | 16 44.8 | |
| 9 | | 15 42.0 | |
| 10 | | 18 50.4 | |
| T | | 520.8 | |
| $\bar{x}$ | | 52.1 | |

Sertoli Cells:

Remarks: a few cells dividing

E = 8 1/4

No. 7-167 Date X/59

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 17 — 47.6 | |
| 2 | | 18 50.4 | |
| 3 | | 17 47.6 | |
| 4 | | 15 42.0 | |
| 5 | | 16 44.8 | |
| 6 | | 11 47.6 | |
| 7 | | 17 47.6 | |
| 8 | | 16 50.4 | |
| 9 | | 22 61.6 | |
| 10 | | 18 50.4 | |
| T | | 490.0 | |
| $\bar{x}$ | | 49.0 | |

Sertoli Cells:

Remarks:

G = 1.2 μ

No. 7-170 Date X/57

Spermatogenic Condition 0 (5)

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 40 - 84.0 | |
| 2 | | 31 65.1 | |
| 3 | | 26 54.6 | |
| 4 | | 25 52.5 | |
| 5 | | 29 60.9 | |
| 6 | | 34 71.4 | |
| 7 | | 27 56.7 | |
| 8 | | 30 63.0 | |
| 9 | | 37 77.7 | |
| 10 | | 35 73.5 | |
| T | | 657.4 | |
| $\bar{x}$ | | 65.7 | |

Sertoli Cells:

Remarks: a few cells in division

No. 7-172 Date X/5-9

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 19 - 39.9 | |
| 2 | | 19 39.9 | |
| 3 | | 19 39.1 | |
| 4 | | 20 42.0 | |
| 5 | | 15 32.8 | |
| 6 | | 23 46.3 | |
| 7 | | 18 37.5 | |
| 8 | | 19 39.6 | |
| 9 | | 16 33.6 | |
| 10 | | 23 48.3 | |
| T | | 407.4 | |
| $\bar{x}$ | | 40.7 | |

Sertoli Cells:

Remarks: mod. connective tissue

No. 7-173 Date X/57

Spermatogenic Condition [illegible] 2

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 23. – 48.3 | |
| 2 | | 24 50.4 | |
| 3 | | 25 52.5 | |
| 4 | | 26 54.6 | |
| 5 | | 22 46.2 | |
| 6 | | 23 48.3 | |
| 7 | | 22 46.2 | |
| 8 | | 18 37.8 | |
| 9 | | 26 54.6 | |
| 10 | | 23 48.3 | |
| T | | 487.2 | |
| $\bar{x}$ | | 48.7 | |

Sertoli Cells: _____

Remarks: _____

No. 7124 Date Xc/57

Spermatogenic Condition 3

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 55 | 115.5 | 21 | 44.1 |
| 2 | 58 | 121.8 | 26 | 54.6 |
| 3 | 53 | 111.3 | — | |
| 4 | 58 | 121.8 | 26 | 54.6 |
| 5 | 62 | 130.2 | 25 | 52.5 |
| 6 | 65 | 136.5 | — | |
| 7 | 63 | 132.3 | — | |
| 8 | 51 | 107.1 | — | |
| 9 | 45 | 94.5 | — | |
| 10 | 51 | 107.1 | — | |
| T | | 1178.1 | | 205.8 |
| $\bar{x}$ | | 117.8 | | 51.4 |

Sertoli Cells:

Remarks: some w/ small lumen; mesh w/o

No. 7-175 Date X/59

Spermatogenic Condition (3) = 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 43 — 90.3 | |
| 2 | | 41 18.7 | |
| 3 | | 38 79.8 | |
| 4 | | 41 58.2 | |
| 5 | | 42 88.2 | |
| 6 | | 35 73.5 | |
| 7 | | 53 111.3 | |
| 8 | | 45 94.5 | |
| 9 | | 35 73.5 | |
| 10 | | 41 86.1 | |
| T | | 834.1 | |
| $\bar{x}$ | | 83.4 | |

Sertoli Cells: _____

Remarks: No comment

No. 7-1.76 Date x/59

Spermatogenic Condition 3 (3)

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|---|
| 1 | | 49 | 102.9 | 19 | 39.9 |
| 2 | | 37 | 77.7 | 13 | 27.3 |
| 3 | | 40 | 84.0 | 15 | 31.5 |
| 4 | | 40 | 84.0 | 12 | 25.2 |
| 5 | | 50 | 105.0 | 15 | 31.5 |
| 6 | | 41 | 86.1 | 17 | 35.7 |
| 7 | | 44 | 92.4 | — | |
| 8 | | 47 | 98.7 | — | |
| 9 | | 44 | 92.4 | — | |
| 10 | | 38 | 79.8 | — | |
| T | | | 903.0 | | 191.1 |
| $\bar{x}$ | | | 90.3 | | 31.8 |

Sertoli Cells:

Remarks: central tubules w/ lumen, peripheral ones w/o ; ? 5 adjacent metaplasia cells in 1 tubule ; some lumens in tubular spaces

No. 7-177 Date Xc/59

Spermatogenic Condition 0

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height |
|---|---|---|---|
| 1 | 21 | 44.1 | |
| 2 | 22 | 46.2 | |
| 3 | 21 | 44.1 | |
| 4 | 23 | 48.3 | |
| 5 | 27 | 56.7 | |
| 6 | 19 | 39.9 | |
| 7 | 20 | 42.0 | |
| 8 | 20 | 42.0 | |
| 9 | 25 | 52.5 | |
| 10 | 25 | 52.5 | |
| T | | 468.3 | |
| $\bar{x}$ | | 46.8 | |

Sertoli Cells:

Remarks:

No. 7-128 Date X/59

Spermatogenic Condition 3

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 60 | 126.0 | 13 | 27.3 |
| 2 | 61 | 128.1 | 18 | 37.8 |
| 3 | 55 | 115.5 | — | |
| 4 | 59 | 123.9 | 15 | 31.5 |
| 5 | 56 | 117.6 | 20 | 42.0 |
| 6 | 58 | 121.8 | 25 | 52.5 |
| 7 | 48 | 100.8 | — | |
| 8 | 55 | 115.5 | 16 | 33.6 |
| 9 | 54 | 113.4 | 18 | 37.8 |
| 10 | 50 | 105.0 | — | |
| T | | 1167.6 | | 262.5 |
| $\bar{x}$ | | 116.8 | | 37.5 |

Sertoli Cells:

Remarks: most w/ lumina; another structure w/ rt c nuclei

No. 7-179 Date X/59

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 70 - 147.0 | 20 - 42.0 |
| 2 | | 75 157.5 | 25 52.5 |
| 3 | | 76 159.6 | 25 - 52.5 |
| 4 | | 83 174.3 | 30 63.0 |
| 5 | | 82 172.2 | 33 69.3 |
| 6 | | 66 138.6 | 20 42.0 |
| 7 | | 60 126.0 | 21 44.1 |
| 8 | | 50 105.0 | 27 56.7 |
| 9 | | 80 168.0 | 37 77.7 |
| 10 | | 59 123.9 | 20 42.0 |
| T | | 1472.1 | 511.8 |
| $\bar{x}$ | | 147.2 | 54.2 |

Sertoli Cells:

Remarks: Lumina present; a few pycnotic nuclei "worms"

No. 7-180 Date X/59

Spermatogenic Condition O

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 29 - 60.9 | |
| 2 | | 27 56.7 | |
| 3 | | 34 71.4 | |
| 4 | | 50 105.0 | |
| 5 | | 48 100.8 | |
| 6 | | 40 84.0 | |
| 7 | | 39 81.9 | |
| 8 | | 25 45.3 | |
| 9 | | 32 67.2 | |
| 10 | | 30 63.0 | |
| T | | 739.2 | |
| $\bar{x}$ | | 73.9 | |

Sertoli Cells:

Remarks:

$\bar{E} = 14.7$

No. 7-181 Date X/59

Spermatogenic Condition D

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 26 - 54.4 | |
| 2 | | 24 50.4 | |
| 3 | | 21 44.1 | |
| 4 | | 25 52.5 | |
| 5 | | 22 46.2 | |
| 6 | | 25 52.5 | |
| 7 | | 20 42.0 | |
| 8 | | 23 48.3 | |
| 9 | | 27 56.7 | |
| 10 | | 24 50.4 | |
| T | | 497.7 | |
| $\bar{x}$ | | 49.8 | |

Sertoli Cells: _____

Remarks: _____

No. 7-182 Date X/59

Spermatogenic Condition 3

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 50 – 105.0 | |
| 2 | 41 86.1 | |
| 3 | 45 94.5 | |
| 4 | 40 84.0 | |
| 5 | 35 73.5 | |
| 6 | 43 90.3 | |
| 7 | 49 102.9 | |
| 8 | 51 107.1 | |
| 9 | 39 81.9 | |
| 10 | 40 84.0 | |
| T | 909.3 | |
| $\bar{x}$ | 90.9 | |

Sertoli Cells: visible

Remarks: no lumen

E = 10.5 μ

No. 7-184 Date XI/59

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 67 – 140.7 | |
| 2 | | 80 168.0 | |
| 3 | | 72 151.2 | |
| 4 | | 64 134.4 | |
| 5 | | 62 130.2 | |
| 6 | | 70 147.0 | |
| 7 | | 56 117.6 | |
| 8 | | 56 117.6 | |
| 9 | | 68 142.8 | |
| 10 | | 63 132.3 | |
| T | | 1381.8 | |
| $\bar{x}$ | | 138.2 | |

Sertoli Cells: visible

Remarks: no lumens

No. 7-185 Date 11/1/60

Spermatogenic Condition 3?

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 92 - 58.2 | |
| 2 | | 94 92.4 | |
| 3 | | 95 71.5 | |
| 4 | | 93 90.3 | |
| 5 | | 38 79.8 | |
| 6 | | 93 90.3 | |
| 7 | | 96 100.3 | |
| 8 | | 95 94.5 | |
| 9 | | 95 99.5 | |
| 10 | | 99 102.9 | |
| T | | 928.2 | |
| $\bar{x}$ | | 92.8 | |

Sertoli Cells: visible

Remarks:

$\bar{x}$ = 14.7μ (1)

No. 7-187 Date 11/60

Spermatogenic Condition (5)

| | Interstitial Cell nuclear diam. | Seminiferous (2) tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 56 - 184.8 | 20 - 66.0 |
| 2 | | ~~20~~ 50 - 165.0 | 16 52.8 |
| 3 | | 42 138.6 | 15 49.5 |
| 4 | | 50 165.0 | 16 52.8 |
| 5 | | 49 161.7 | 17 56.1 |
| 6 | | 55 181.5 | 20 66.0 |
| 7 | | 50 165.0 | 17 56.1 |
| 8 | | 46 151.8 | 16 52.8 |
| 9 | | 46 151.8 | 20 66.0 |
| 10 | | 49 161.7 | 17 56.1 |
| T | | 1626.9 | 574.2 |
| $\bar{x}$ | | 162.7 | 57.4 |

Sertoli Cells: a few visible

Remarks: Lumen developing

F = 11.7 yr (1)

No. 7-188 Date 11/60

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 160 - 195.0 | 20 - 46.0 |
| 2 | | 158 191.4 | 15 49.5 |
| 3 | | 152 171.6 | 18 57.4 |
| 4 | | 157 181 | 15 49.5 |
| 5 | | 140 182.0 | 15 49.5 |
| 6 | | 153 174.7 | 16 52.8 |
| 7 | | 148 184 | 17 56.1 |
| 8 | | 153 171.9 | 13 42.9 |
| 9 | | 146 151.9 | 18 59.4 |
| 10 | | 154 179.2 | 13 42.9 |
| T | | 1719.3 | 528.0 |
| $\bar{x}$ | | 171.9 | 52.8 |

Sertoli Cells: fair visible

Remarks:

No. 7-189 Date 11/60

Spermatogenic Condition ~~3~~ 5 ?

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 42 - 88.2 | |
| 2 | | 51 107.1 | |
| 3 | | 41 86.1 | |
| 4 | | 50 105.0 | |
| 5 | | 42 88.2 | |
| 6 | | 37 77.7 | |
| 7 | | 34 71.4 | |
| 8 | | 34 71.4 | |
| 9 | | 50 105.0 | |
| 10 | | 41 86.1 | |
| T | | 886.2 | |
| $\bar{x}$ | | 88.6 | |

Sertoli Cells: visible

Remarks: no lumina tubules up to 2° spermatogenic stage

$\bar{x}$ = 18.9 μ (1)

No. 7-190 Date 11/1/60

Spermatogenic Condition ~~5~~ 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (5) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 52 - 109.2 | |
| 2 | | 68 142.8 | |
| 3 | | 50 105.0 | |
| 4 | | 52 109.2 | |
| 5 | | 64 134.4 | |
| 6 | | 58 121.8 | |
| 7 | | 60 126.0 | |
| 8 | | 52 109.2 | |
| 9 | | 57 119.7 | |
| 10 | | 54 113.4 | |
| T | | 1190.7 | |
| $\bar{x}$ | | 119.1 | |

Sertoli Cells: visible

Remarks: no lumen; tubules up to 2° spermatocyte stage

$\bar{x}$ = 10.5 μ (1)

No. 1-191 Date 11/60

Spermatogenic Condition ?

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 59 — 194.7 | 18 - 59.4 |
| 2 | 54 178.2 | 17 56.1 |
| 3 | 55 181.5 | 12 39.6 |
| 4 | 59 194.7 | 17 56.1 |
| 5 | 42 138.6 | 15 49.5 |
| 6 | 49 161.7 | 18 59.4 |
| 7 | 52 171.6 | 13 42.9 |
| 8 | 42 138.6 | 14 46.2 |
| 9 | 71 234.3 | 21 69.3 |
| 10 | 48 158.4 | 16 52.8 |
| T | 1,152.3 | 531.3 |
| $\bar{x}$ | 175.2 | 55.1 |

Sertoli Cells: visible

Remarks:

No. 7-193 Date 1/4/60

Spermatogenic Condition 9

| Interstitial Cell nuclear diam. | (3) Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 47 — 98.7 | |
| 2 | 46 96.6 | |
| 3 | 40 84.0 | |
| 4 | 38 79.8 | |
| 5 | 33 69.3 | |
| 6 | 43 90.3 | |
| 7 | 45 94.5 | |
| 8 | 36 75.6 | |
| 9 | 40 84.0 | |
| 10 | 42 88.2 | |
| T | 861.0 | |
| x̄ | 86.1 | |

Sertoli Cells: [illegible]

Remarks: spermatogenesis thru spermato-cyte stage

F = 10.5 u

No. 7-197 Date 14/60

Spermatogenic Condition 6

(2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 50 | 165.0 | 12 | 39.6 |
| 2 | 45 | 148.5 | 10 | 33.0 |
| 3 | 46 | 151.8 | 13 | 42.9 |
| 4 | 48 | 158.4 | 15 | 49.5 |
| 5 | 50 | 165.0 | 11 | 36.3 |
| 6 | 55 | 181.5 | 15 | 49.5 |
| 7 | 60 | 198.0 | 14 | 46.2 |
| 8 | 60 | 198.0 | 17 | 56.1 |
| 9 | 52 | 171.6 | 10 | 33.0 |
| 10 | 55 | 181.5 | 16 | 52.8 |
| T | | 1719.3 | | 438.9 |
| $\bar{x}$ | | 171.9 | | 43.9 |

Sertoli Cells: none seen

Remarks:

E = 26.4μ (3)

No. 7-198 (C) Date IV/60

Spermatogenic Condition D

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 47 - 35.7 | |
| 2 | | 25 48.3 | |
| 3 | | 19 39.9 | |
| 4 | | 17 35.7 | |
| 5 | | 20 42.0 | |
| 6 | | 18 37.8 | |
| 7 | | 17 35.7 | |
| 8 | | 20 42.0 | |
| 9 | | 21 44.1 | |
| 10 | | 20 42.0 | |
| T | | 403.2 | |
| $\bar{x}$ | | 40.3 | |

Sertoli Cells: [illegible]

Remarks:

$\sigma = 6.3\mu$

No. 7-199 (c) Date IV/60

Spermatogenic Condition 6

(2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 75 | 247.5 | 10 | 33.0 |
| 2 | 77 | 254.1 | 10 | 33.0 |
| 3 | 74 | 244.2 | 14 | 46.2 |
| 4 | 69 | 227.7 | 10 | 33.0 |
| 5 | 70 | 231.0 | 13 | 42.9 |
| 6 | 69 | 227.7 | 10 | 33.0 |
| 7 | 58 | 191.4 | 8 | 26.4 |
| 8 | 50 | 165.0 | 12 | 39.6 |
| 9 | 55 | 181.5 | 9 | 29.7 |
| 10 | 47 | 155.1 | 12 | 39.6 |
| T | | 2125.2 | | 356.4 |
| $\bar{x}$ | | 212.5 | | 35.6 |

Sertoli Cells: visible

Remarks:

E = 19.8 μ

(4)

No. [illegible] Date 11/60

Spermatogenic Condition [illegible] = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 67. — 221.1 | 15⁻ — 49.5⁻ |
| 2 | | 76 — 230.8 | 20 — 66.0 |
| 3 | | 81 — 262.3 | 10 — 33.0 |
| 4 | | 52 — 171.6 | 10 — 33.0 |
| 5 | | 84 — 277.2 | 13 — 42.9 |
| 6 | | 71 — 234.3 | 11 — 36.3 |
| 7 | | 65⁻ — 214.5⁻ | 21 — 69.3 |
| 8 | | 64 — 211.2 | 15 — 49.5⁻ |
| 9 | | 70 — 232.6 | 14 — 46.2 |
| 10 | | 68 — 224.4 | 14 — 46.2 |
| T | | 2313.3 | 471.9 |
| $\bar{x}$ | | 231.3 | 47.2 |

Sertoli Cells: visible normally

Remarks:

E = 42.9 µ (3)

No. 7-204 Date 11/6/00

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: stem distal tip

No. 7-205 Date 11/4/60

Spermatogenic Condition 6 (2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 70 – | 231.0 | 15 – | 49.5 |
| 2 | 61 | 201.3 | 12 | 39.6 |
| 3 | 68 | 224.4 | 8 | 26.4 |
| 4 | 68 | 224.4 | 15 | 49.5 |
| 5 | 55 | 181.5 | 10 | 33.0 |
| 6 | 50 | 165.0 | 10 | 33.0 |
| 7 | 55 | 181.5 | 14 | 46.2 |
| 8 | 64 | 211.2 | 11 | 36.3 |
| 9 | 69 | 227.7 | 15 | 49.5 |
| 10 | 57 | 188.1 | 8 | 26.4 |
| T | | 2036.1 | | 389.4 |
| $\bar{x}$ | | 203.6 | | 38.9 |

Sertoli Cells: small

Remarks:

E = 231 μ (4)

No. 7-206 Date 10/60

Spermatogenic Condition = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 70. – 231.0 | 5 – 16.5 |
| 2 | | 67 221.1 | 10 33.0 |
| 3 | | 72 237.6 | 15 49.5 |
| 4 | | 67 221.1 | 15 49.5 |
| 5 | | 55 181.5 | 10 33.0 |
| 6 | | 77 254.1 | 15 49.5 |
| 7 | | 61 201.3 | 10 33.0 |
| 8 | | 70 231.0 | 19 62.7 |
| 9 | | 76 250.8 | 20 66.0 |
| 10 | | 64 211.2 | 14 46.2 |
| T | | 2240.7 | 438.9 |
| $\bar{x}$ | | 224.1 | 43.9 |

Sertoli Cells: visible – a few

Remarks:

E = 39.6 u

No. 7-207 Date 16/60

Spermatogenic Condition = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 57 - 188.1 | 10 - 33.0 |
| 2 | | 62 204.6 | 12 39.6 |
| 3 | | 53 174.9 | 10 33.0 |
| 4 | | 45 148.5 | 15 49.5 |
| 5 | | 54 178.2 | 14 46.2 |
| 6 | | 56 184.8 | 10 33.0 |
| 7 | | 61 201.3 | 18 59.4 |
| 8 | | 48 158.4 | 8 26.4 |
| 9 | | 50 165.0 | 14 46.2 |
| 10 | | 46 151.8 | 14 46.2 |
| T | | 1755.6 | 412.5 |
| $\bar{x}$ | | 175.6 | 41.2 |

Sertoli Cells: [illegible]

Remarks:

E = 36.34

No. 7-208 Date IV/60

Spermatogenic Condition 6

| | (3) Interstitial Cell nuclear diam. | (2) Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | 3 - 6.3 | 77 - 254.1 | 15 - 49.5 |
| 2 | 9 8.4 | 80 264.0 | 15 49.5 |
| 3 | 4 8.4 | 69 227.7 | 12 39.6 |
| 4 | 3 6.3 | 73 240.9 | 15 49.5 |
| 5 | | 85 214.5 | 12 39.6 |
| 6 | | 79 260.7 | 15 49.5 |
| 7 | | 75 247.5 | 10 33.0 |
| 8 | | 72 237.6 | 15 49.5 |
| 9 | | 90 247.0 | 20 66.0 |
| 10 | | 69 227.7 | 15 49.5 |
| T | 29.4 | 2471.7 | 475.2 |
| $\bar{x}$ | 7.4 | 247.2 | 47.5 |

Sertoli Cells: [illegible]

Remarks: [illegible] highly [illegible]

$\bar{E}$ = 42.9 μ (4) (5)

No. 7-209 Date IV/60

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 73 - 240.9 | 14 - 46.2 |
| 2 | | 78 257.4 | 25 82.5 |
| 3 | | 62 204.6 | 14 46.2 |
| 4 | | 59 194.7 | 15 49.5 |
| 5 | | 55 181.5 | 11 36.3 |
| 6 | | 60 198.0 | 18 59.4 |
| 7 | | 60 198.0 | 15 49.5 |
| 8 | | 68 224.4 | 16 52.8 |
| 9 | | 58 191.4 | 15 49.5 |
| 10 | | 90 297.0 | 10 33.0 |
| T | | 2187.9 | 504.9 |
| $\bar{x}$ | | 218.8 | 50.5 |

Sertoli Cells: [illegible]

Remarks:

E= 33.0 u (4) (5)

No. 7-210 Date 11/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (1) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 33 – 273.9 | 20 – 66.0 |
| 2 | | 69 227.7 | 11 36.3 |
| 3 | | 98 323.4 | 20 66.0 |
| 4 | | 95 313.5 | 13 42.9 |
| 5 | | 89 293.7 | 20 66.0 |
| 6 | | 88 290.4 | 17 59.4 |
| 7 | | 87 287.1 | 12 39.6 |
| 8 | | 90 297.0 | 16 52.8 |
| 9 | | 85 280.5 | 15 49.5 |
| 10 | | 82 270.6 | 18 59.4 |
| T | | 2791.8 | 537.9 |
| $\bar{x}$ | | 279.2 | 53.8 |

Sertoli Cells: [illegible]

Remarks:

E = 19.5 μ (9)

No. T-212 Date 11/60

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 58 - 191.4 | 15 - 49.5 |
| 2 | | 54 178.2 | 15 49.5 |
| 3 | | 78 257.4 | 10 33.0 |
| 4 | | 76 250.8 | 20 66.0 |
| 5 | | 71 234.3 | 15 49.5 |
| 6 | | 145 214.5 | 20 66.0 |
| 7 | | 68 224.4 | 16 52.8 |
| 8 | | 57 188.1 | 18 59.4 |
| 9 | | 70 231.0 | 15 49.5 |
| 10 | | 60 198.0 | 10 33.0 |
| T | | 2168.1 | 528.2 |
| $\bar{x}$ | | 216.8 | 52.8 |

Sertoli Cells:

Remarks:

E= 36.3 μ

No. 7-214 Date 10/60

Spermatogenic Condition 2

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 56 — 184.8 | 16 — 52.8 |
| 2 | 51 168.3 | 13 42.9 |
| 3 | 57 188.1 | 10 33.0 |
| 4 | 60 198.0 | 12 39.6 |
| 5 | 58 191.4 | 11 36.3 |
| 6 | 55 181.5 | 15 49.5 |
| 7 | 49 161.7 | 12 39.6 |
| 8 | 60 198.0 | 23 75.9 |
| 9 | 59 194.7 | 13 42.9 |
| 10 | 59 194.7 | 20 66.0 |
| T | 1861.2 | 478.5 |
| $\bar{x}$ | 186.1 | 47.8 |

Sertoli Cells: [illegible]

Remarks:

E = 330 μ (2) (5)

No. 7-215 Date 10/60

Spermatogenic Condition ?

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 104 - 211.2 | 13 - 42.9 |
| 2 | 105 214.5 | 9 29.7 |
| 3 | 71 234.3 | 15 49.5 |
| 4 | 64 211.2 | 15 49.5 |
| 5 | 72 237.6 | 15 49.5 |
| 6 | 51 168.3 | 15 49.5 |
| 7 | 70 231.0 | 11 36.3 |
| 8 | 70 231.0 | 13 42.9 |
| 9 | 74 244.2 | 10 33.0 |
| 10 | 94 310.2 | 16 52.8 |
| T | 2227.5 | 435.6 |
| $\bar{x}$ | 222.8 | 43.6 |

Sertoli Cells:

Remarks:

E= 46.2 μ

No. 2-16 Date 1/60

Spermatogenic Condition 10

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 59 - 184.7 | 15 - 49.5 |
| 2 | | 55 181.5 | 15 49.5 |
| 3 | | 60 198.0 | 14 46.2 |
| 4 | | 73 240.9 | 20 66.0 |
| 5 | | 62 204.6 | 20 66.0 |
| 6 | | 70 231.0 | 16 52.8 |
| 7 | | 74 244.2 | 11 36.3 |
| 8 | | 65 214.5 | 12 39.6 |
| 9 | | 57 188.1 | 7 23.1 |
| 10 | | 56 184.8 | 10 33.0 |
| T | | 2052.3 | 462.0 |
| $\bar{x}$ | | 208.2 | 46.2 |

Sertoli Cells:

Remarks: Lumen edges highly eroded epithelium seems to be disintegrating but no debris in lumen yet

E = 24.4 (2) (5)

No. 7-217 Date V/60

Spermatogenic Condition

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells:

Remarks: more blood vessels than tubes in ~~testis~~ glandular tissue; no testis present in sections

F = 36.3 (2)

No. 7-219 Date V/60

Spermatogenic Condition (2) 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 45 - 148.5 | 11 - 36.3 |
| 2 | | 91 155.1 | 12 39.6 |
| 3 | | 69 227.7 | 12 39.6 |
| 4 | | 61 201.3 | 14 46.2 |
| 5 | | 52 171.6 | 9 29.7 |
| 6 | | 50 165.0 | 13 42.9 |
| 7 | | 61 201.3 | 15 49.5 |
| 8 | | 53 174.9 | 12 39.6 |
| 9 | | 77 254.1 | 18 59.4 |
| 10 | | 55 181.5 | 15 49.5 |
| T | | 1881.0 | 432.3 |
| $\bar{x}$ | | 188.1 | 43.2 |

Sertoli Cells: [illegible]

Remarks:

E = 16.5 μ (2) (5)

No. 7-221 Date V/60

Spermatogenic Condition E

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: tissue in very poor condition

E= 330 μ (2) (5+)

No. 7-224 Date 4/60

Spermatogenic Condition

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 45 - 148.5 | 8 - 20.9 |
| 2 | 40 132.0 | 5 16.5 |
| 3 | 42 138.6 | 10 33.0 |
| 4 | 67 221.1 | 10 33.0 |
| 5 | 54 178.2 | 10 33.0 |
| 6 | 59 194.7 | 11 36.3 |
| 7 | 65 214.5 | 10 33.0 |
| 8 | 46 151.5 | 6 19.8 |
| 9 | 49 161.7 | 12 39.6 |
| 10 | 50 165.0 | 11 36.3 |
| T | 1735.8 | 306.9 |
| $\bar{x}$ | 173.6 | 30.7 |

Sertoli Cells:

Remarks:

$\bar{x}$ = 33.04 (3)

No. 7-226 Date V/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 72 - 237.6 | 15 - 49.5 |
| 2 | | 71 234.3 | 10 33.0 |
| 3 | | 60 198.0 | 11 36.3 |
| 4 | | 68 224.4 | 8 26.4 |
| 5 | | 63 207.9 | 10 33.0 |
| 6 | | 53 174.9 | 6 19.8 |
| 7 | | 58 191.4 | 7 23.1 |
| 8 | | 62 204.6 | 5 16.5 |
| 9 | | 54 178.2 | 12 39.6 |
| 10 | | 58 191.4 | 10 33.0 |
| T | | 2042.7 | 310.2 |
| $\bar{x}$ | | 204.3 | 31.0 |

Sertoli Cells: [illegible]

Remarks:

No. 7-231 Date V/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 52 - 171.6 | 10 - 33.0 |
| 2 | | 64 211.2 | 8 26.4 |
| 3 | | 55 181.5 | 11 36.3 |
| 4 | | 57 188.1 | 12 39.6 |
| 5 | | 52 171.6 | 15 49.5 |
| 6 | | 56 184.8 | 10 33.0 |
| 7 | | 60 198.0 | 16 52.8 |
| 8 | | 50 165.0 | 11 36.3 |
| 9 | | 65 214.5 | 10 33.0 |
| 10 | | 60 198.0 | 13 42.9 |
| T | | 1884.3 | 382.8 |
| $\bar{x}$ | | 188.4 | 38.3 |

Sertoli Cells: visible

Remarks:

E = 16.4 (4)

No. 7-233 Date 4/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 105 - 214.5 | 14 - 46.2 |
| 2 | | 69 227.7 | 14 46.2 |
| 3 | | 52 171.6 | 10 33.0 |
| 4 | | 66 217.8 | 12 39.6 |
| 5 | | 53 174.9 | 11 36.3 |
| 6 | | 58 191.4 | 16 52.8 |
| 7 | | 59 194.7 | 10 33.0 |
| 8 | | 59 194.7 | 13 42.9 |
| 9 | | 55 181.5 | 9 29.7 |
| 10 | | 70 231.0 | 12 39.6 |
| T | | 1999.8 | 399.3 |
| $\bar{x}$ | | 200.0 | 39.9 |

Sertoli Cells:

Remarks:

E = 49.5 μ (3)

No. 7-234 Date 4/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 179 – 194.7 | 11 - 30.3 |
| 2 | | 148 158.4 | 7 23.1 |
| 3 | | 160 198.0 | 18 59.4 |
| 4 | | 152 171.6 | 15 49.5 |
| 5 | | 155 181.5 | 22 72.6 |
| 6 | | 201 201.3 | 6 19.8 |
| 7 | | 166 217.8 | 15 49.5 |
| 8 | | 159 178.2 | 5 16.5 |
| 9 | | 170 165.0 | 6 19.8 |
| 10 | | 193 141.7 | 10 33.0 |
| T | | 1805.4 | 379.5 |
| $\bar{x}$ | | 180.5 | 38.0 |

Sertoli Cells: seen seen

Remarks:

No. 7-237 Date 1160

Spermatogenic Condition 0

| | Interstitial Cell nuclear diam. | Seminiferous (2) tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 20 — 66.0 | |
| 2 | | 19 62.7 | |
| 3 | | 19 62.7 | |
| 4 | | 26 85.8 | |
| 5 | | 17 56.1 | |
| 6 | | 26 85.8 | |
| 7 | | 29 95.7 | |
| 8 | | 25 82.5 | |
| 9 | | 17 56.1 | |
| 10 | | 23 75.9 | |
| T | | 729.3 | |
| $\bar{x}$ | | 72.9 | |

Sertoli Cells:

Remarks: Tubuli boundaries indistinct

E = 8.4 μ

No. 2-239 Date V/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: Stain did not take well

No. 7-240 Date 4/60

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells:

Remarks: tissue tr in piece

E = 35 OU (4)

No. 7-242 Date 11/60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 62 - 204.6 | 12 - 39.6 |
| 2 | | 56 184.8 | 16 52.8 |
| 3 | | 74 244.2 | 10 33.0 |
| 4 | | 72 237.6 | 7 23.1 |
| 5 | | 65 214.5 | 16 52.8 |
| 6 | | 65 214.5 | 13 42.9 |
| 7 | | 53 174.9 | 15 49.5 |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 1435.1 | 293.7 |
| $\bar{x}$ | | 210.7 | 42.0 |

Sertoli Cells: a few seen

Remarks: few sections suitable for measuring

E = 23.1 μ (4)

No. 7-245 Date 4/60

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 79 - 260.7 | 12 - 39.6 |
| 2 | | 76 250.8 | 11 36.3 |
| 3 | | 58 191.4 | 8 26.4 |
| 4 | | 68 224.4 | 12 39.6 |
| 5 | | 60 198.0 | 10 33.0 |
| 6 | | 68 224.4 | 17 56.1 |
| 7 | | 75 247.5 | 13 42.9 |
| 8 | | 100 330.0 | 10 33.0 |
| 9 | | 70 231.0 | 19 62.7 |
| 10 | | 67 221.1 | 15 49.5 |
| T | | 2379.3 | 419.1 |
| $\bar{x}$ | | 237.9 | 41.9 |

Sertoli Cells:

Remarks: epithelium highly eroded

E - 231 (7)

No. 7-265 Date Vd/60

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 55 | 181.5 | 12 | 39.6 |
| 2 | 67 | 221.1 | 22 | 72.6 |
| 3 | 59 | 194.7 | 13 | 42.9 |
| 4 | 56 | 184.8 | 9 | 29.7 |
| 5 | 62 | 204.6 | 9 | 29.7 |
| 6 | 59 | 194.7 | 12 | 39.6 |
| 7 | 55 | 181.5 | 10 | 33.0 |
| 8 | 57 | 188.1 | 10 | 33.0 |
| 9 | 55 | 181.5 | 12 | 39.6 |
| 10 | 50 | 165.0 | 10 | 33.0 |
| T | | 1897.5 | | 392.7 |
| $\bar{x}$ | | 189.8 | | 39.3 |

Sertoli Cells: none seen

Remarks: doesn't focus well on high dry

E = 29.7 μ

No. 7-2606 Date VI/60

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: no testis available

E = 330 μ ③

No. 7-371 Date VII/60

Spermatogenic Condition (2) = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 33 - 108.9 | 9 - 29.7 |
| 2 | | 35 115.5 | 12 39.6 |
| 3 | | 33 108.9 | 4 13.2 |
| 4 | | 31 102.3 | 6 19.8 |
| 5 | | 48 158.4 | 4 13.2 |
| 6 | | 31 102.3 | 8 26.4 |
| 7 | | 35 115.5 | 5 16.5 |
| 8 | | 37 122.1 | 8 26.4 |
| 9 | | 46 151.8 | 11 36.3 |
| 10 | | 43 141.9 | 5 16.5 |
| T | | 1227.6 | 237.6 |
| $\bar{x}$ | | 122.8 | 23.8 |

Sertoli Cells: visible

Remarks:

G = 29.7 µ (4)

No. 7-272 Date VII/60

Spermatogenic Condition 8 7

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: visible

Remarks: epithelium completely shrunk away from basement membrane, no lumina, metamorphosing spermatids present

E = 23.1 μ ② ⑤

No. 7-275 Date VI d / 60

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 49. - 161.7 | 4 - 13.2 |
| 2 | | 30 99.0 | 5 16.5 |
| 3 | | 33 108.9 | 5 16.5 |
| 4 | | 31 102.3 | 6 19.8 |
| 5 | | 38 125.4 | 7 23.1 |
| 6 | | 32 105.6 | 3 9.9 |
| 7 | | 33 108.9 | 4 13.2 |
| 8 | | 39 128.7 | 7 23.1 |
| 9 | | 40 132.0 | 5 16.5 |
| 10 | | 38 125.4 | 5 16.5 |
| T | | 1197.9 | 168.3 |
| $\bar{x}$ | | 119.8 | 16.8 |

Sertoli Cells: visible

Remarks: very few cells left per tubule

E = 33.0 μ

No. 7-282 Date 4/1/60

Spermatogenic Condition = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 46 - 151.8 | 11 - 36.3 |
| 2 | | 52 171.6 | 12 39.6 |
| 3 | | 53 174.9 | 11 36.3 |
| 4 | | 60 198.0 | 10 33.0 |
| 5 | | 54 178.2 | 7 23.1 |
| 6 | | 40 132.0 | 6 19.8 |
| 7 | | 41 135.3 | 12 39.6 |
| 8 | | 53 174.9 | 10 33 0 |
| 9 | | 53 174.9 | 10 33 0 |
| 10 | | 62 204.6 | 10 33 0 |
| T | | 1696.2 | 323.7 |
| $\bar{x}$ | | 169.6 | 32.4 |

Sertoli Cells:

Remarks:

E = 33 0/4 (3)

No. 7-286 Date VII/60

Spermatogenic Condition _____

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: _____

Remarks: too faint to distinguish.

(5)

No. 7-258 Date 4/60

Spermatogenic Condition (6)

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks: tissue torn by microtome blade. tubule structure disturbed

#285 recorded as a female

$\bar{x}$ = 33.0 μ (3)

No. 7-289 Date VIII/60

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 27 – 56.7 | |
| 2 | 27 56.7 | |
| 3 | 30 63.0 | |
| 4 | 26 54.6 | |
| 5 | 30 63 0 | |
| 6 | 25 52.5 | |
| 7 | 19 39.9 | |
| 8 | 24 50.4 | |
| 9 | 25 52.5 | |
| 10 | 30 63 0 | |
| T | 532,3 | |
| $\bar{x}$ | 55.2 | |

Sertoli Cells: visible

Remarks:

E = 8.4 μ (1)

No. 7-290 Date VIII/60

Spermatogenic Condition ~~3~~ 4

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 34 - 71.4 | |
| 2 | 31 65.1 | |
| 3 | 39 81.9 | |
| 4 | 36 75.6 | |
| 5 | 38 79.8 | |
| 6 | 39 81.9 | |
| 7 | 35 73.5 | |
| 8 | 46 96.6 | |
| 9 | 38 79.8 | |
| 10 | 37 77.7 | |
| T | 783.3 | |
| $\bar{x}$ | 78.3 | |

Sertoli Cells: visible

Remarks:

E = 29 4/4 (1)

No. 7-291 Date VIII/60

Spermatogenic Condition 7?

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: visible

Remarks: epithelia pulled away from basement membrane w/ single row of nuclei around periphery, no lumen, occasional spermatid still visible [stain poor]

E = 23.1 (2) (5)

No. 7-292 Date VIII/60

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 33 - 69.3 | |
| 2 | 42 88.2 | |
| 3 | 35 73.5 | |
| 4 | 39 81.9 | |
| 5 | 39 81.9 | |
| 6 | 34 71.4 | |
| 7 | 35 73.5 | |
| 8 | 39 81.9 | |
| 9 | 32 67.2 | |
| 10 | 40 84.0 | |
| T | 772.8 | |
| $\bar{x}$ | 77.3 | |

Sertoli Cells: visible

Remarks: stain poor

$\bar{x}$ = 35.7 μ (1)

No. 7-294 Date VIII/60

Spermatogenic Condition 7 ?

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: [illegible]

Remarks: same as 7-291

E = 21.0 (2)

No. 7-298 Date VIII/60

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|
| 1 | 40 — 84.0 | |
| 2 | 47 98.7 | |
| 3 | 36 75.6 | |
| 4 | 38 79.8 | |
| 5 | 46 96.6 | |
| 6 | 32 67.2 | |
| 7 | 42 88.2 | |
| 8 | 42 88.2 | |
| 9 | 34 71.4 | |
| 10 | 33 69.3 | |
| T | 819.0 | |
| $\bar{x}$ | 81.9 | |

Sertoli Cells:

Remarks: tubule edges convoluted, more nearly match basement membrane

E = 25.2 μ (1)

No. 7-303 Date VIII/60

Spermatogenic Condition 7+

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: visible

Remarks: convoluted, pulled away from basement membrane, another at < nucleated structure

E = 18.9 μ

(3)

No. T 304 Date VIII/60

Spermatogenic Condition 8

(3)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 30 - 63.0 | |
| 2 | 26 54.6 | |
| 3 | 19 39.9 | |
| 4 | 30 63.0 | |
| 5 | 25 52.5 | |
| 6 | 25 52.5 | |
| 7 | 22 46.2 | |
| 8 | 23 48.3 | |
| 9 | 22 46.2 | |
| 10 | 25 52.5 | |
| T | 518.7 | |
| $\bar{x}$ | 51.9 | |

Sertoli Cells: visible

Remarks:

E = 6.3 μ (1)

No. 7-307 Date VIII/60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: viable

Remarks: convoluted epithelium, lumen present in some

E = 12.6 μ (2)

No. 7-310 Date VIII 60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: unitely

Remarks:

E = 10.5 μ (2) (5)

No. 7-311 Date VIII/60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: visible

Remarks:

E = 12.6 u ③

No. 7-312 Date VIII / 60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. μ. | Seminiferous tubule diam. μ. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells:

Remarks:

E = 14.7 μ (2) (5)

No. 7-313 Date 11/11/60

Spermatogenic Condition 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 30. - 63.0 | |
| 2 | | 27 56.7 | |
| 3 | | 23 48.3 | |
| 4 | | 24 50.4 | |
| 5 | | 27 56.7 | |
| 6 | | 33 69.3 | |
| 7 | | 28 58.8 | |
| 8 | | 25 52.5 | |
| 9 | | 27 56.7 | |
| 10 | | 22 46.2 | |
| T | | 564.9 | |
| $\bar{x}$ | | 56.5 | |

Sertoli Cells: normal

Remarks:

C = 21.0 μ

No. 7-314 Date VIII/60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: visible

Remarks:

E = 14.7 μ (2) (6)

No. 7-316 Date 1X/60

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: nuclei

Remarks:

E = 25.2 μ (1)

No. 7-323 Date 18/60

Spermatogenic Condition 7+

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| T | | |
| $\bar{x}$ | | |

Sertoli Cells: visible

Remarks: epithelia approaching basement membrane (or vice versa); fold lines starting to disappear in some

E = ~~12.6~~ 19.8 μ

①

No. 7-324 Date 18c/60

Spermatogenic Condition = 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 29 - 56.7 | |
| 2 | | 22 40.2 | |
| 3 | | 21 44.1 | |
| 4 | | 23 48.3 | |
| 5 | | 24 50.4 | |
| 6 | | 25 52.5 | |
| 7 | | 29 60.9 | |
| 8 | | 29 60.9 | |
| 9 | | 28 58.8 | |
| 10 | | 27 56.7 | |
| T | | 535.5 | |
| $\bar{x}$ | | 53.6 | |

Sertoli Cells: visible

Remarks:

s = 19.8

No. 7-315 Date 18/60

Spermatogenic Condition (3) 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 27 - 56.7 | |
| 2 | 30 63.0 | |
| 3 | 28 58.8 | |
| 4 | 29 60.9 | |
| 5 | 38 79.8 | |
| 6 | 33 69.3 | |
| 7 | 33 69.3 | |
| 8 | 35 73.5 | |
| 9 | 30 63.0 | |
| 10 | 32 67.2 | |
| T | 661.5 | |
| $\bar{x}$ | 66.2 | |

Sertoli Cells: visible

Remarks:

B = 25.1μ (1)

No. 7-330 Date X/60

Spermatogenic Condition VII - 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: unusual

Remarks:

No. 7-331 Date X/60

Spermatogenic Condition 7 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: variable

Remarks:

E = 81.0μ (1)

No. 7-338 Date 10/61

Spermatogenic Condition 5

(2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 45 - 148.5 | 13 - 42.9 |
| 2 | 40 132.0 | 10 33.0 |
| 3 | 49 161.7 | 13 42.9 |
| 4 | 47 155.1 | 15 49.5 |
| 5 | 45 148.5 | 15 49.5 |
| 6 | 55 181.5 | 17 56.1 |
| 7 | 49 161.7 | 18 59.4 |
| 8 | 50 165.0 | 14 46.2 |
| 9 | | |
| 10 | 42 138.6 | 13 42.9 |
| T | 1392.6 | 422.4 |
| $\bar{x}$ | 154.7 | 46.9 |

Sertoli Cells: visible

Remarks:

$\bar{B}$ = 23.1 μ

(5) + spermatids

No. 7-359 Date 6/61

Spermatogenic Condition 5

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 44 - 145.2 | 15 - 49.5 |
| 2 | 41 135.3 | 13 42.9 |
| 3 | 43 141.9 | 15 49.5 |
| 4 | 40 132.0 | 16 52.8 |
| 5 | 39 128.7 | 14 46.2 |
| 6 | 39 128.7 | 15 49.5 |
| 7 | 42 138.6 | 12 39.6 |
| 8 | 41 135.3 | 14 46.2 |
| 9 | 51 168.3 | 15 49.5 |
| 10 | 38 125.4 | 9 29.7 |
| T | 1379.4 | 455.4 |
| $\bar{x}$ | 137.9 | 45.5 |

Sertoli Cells: [illegible]

Remarks:

E = 14.7μ (1)

No. 7-341 Date 10/61

Spermatogenic Condition 5

(2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 61 | 201.3 | 20 | 66.0 |
| 2 | 53 | 174.9 | 16 | 52.8 |
| 3 | 59 | 194.7 | 22 | 72.6 |
| 4 | 57 | 188.1 | 20 | 66.0 |
| 5 | 48 | 158.4 | 15 | 49.5 |
| 6 | 52 | 171.6 | 18 | 59.4 |
| 7 | 54 | 178.2 | 15 | 49.5 |
| 8 | 50 | 165.0 | 19 | 62.7 |
| 9 | 42 | 138.6 | 16 | 52.8 |
| 10 | 42 | 138.6 | 14 | 46.2 |
| T | | 1709.4 | | 577.5 |
| $\bar{x}$ | | 170.9 | | 57.8 |

Sertoli Cells: visible

Remarks:

No. 7-343 Date 11/61

Spermatogenic Condition 5

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 54 – 178.2 | 25 – 82.5 |
| 2 | | 65 219.5 | 24 79.2 |
| 3 | | 49 161.7 | 13 42.9 |
| 4 | | 52 171.6 | 18 59.4 |
| 5 | | 42 138.6 | 10 33.0 |
| 6 | | 48 158.4 | 19 62.7 |
| 7 | | 54 178.2 | 20 66.0 |
| 8 | | 70 231.0 | 15 49.5 |
| 9 | | 49 161.7 | 15 49.5 |
| 10 | | 70 231.0 | 15 49.5 |
| T | | 1824.9 | 574.2 |
| $\bar{x}$ | | 152.5 | 57.4 |

Sertoli Cells: visible

Remarks: few lumens

$\bar{E}$ = 33.0 μ (5)

No. 1-344 Date 11/6/61

Spermatogenic Condition 5

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 68 - 224.4 | 27 - 89.1 |
| 2 | | 60 198.0 | 22 72.6 |
| 3 | | 62 204.6 | 20 66.0 |
| 4 | | 64 211.2 | 25 82.5 |
| 5 | | 70 231.0 | 22 72.6 |
| 6 | | 56 184.8 | 18 59.4 |
| 7 | | 62 204.6 | 23 75.9 |
| 8 | | 63 207.9 | 22 72.6 |
| 9 | | 64 211.2 | 21 69.3 |
| 10 | | 66 217.8 | 18 59.4 |
| T | | 2095.5 | 719.0 |
| $\bar{x}$ | | 209.6 | 71.9 |

Sertoli Cells: invisible

Remarks:

$\bar{E}$ = 29.7 μ (5)

No. 7-345 Date 12/6/61

Spermatogenic Condition 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 32 - 105.6 | — |
| 2 | | 31 102.3 | 12 - 39.6 |
| 3 | | 25 82.5 | — |
| 4 | | 30 99.0 | 13 42.9 |
| 5 | | 35 115.5 | — |
| 6 | | 32 105.6 | — |
| 7 | | 34 112.2 | — |
| 8 | | 34 112.2 | — |
| 9 | | 34 112.2 | 10 33.0 |
| 10 | | 31 102.3 | 13 42.9 |
| T | | 1049.4 | 158.4 |
| $\bar{x}$ | | 104.9 | 39.6 |

Sertoli Cells: nuclei

Remarks: very few w/ lumen

$\bar{S}$ = 14.7 μ (1)

No. 7-350 Date V/61

Spermatogenic Condition 6 (2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 61 - 201.3 | 12 - 39.6 |
| 2 | 45 148.5 | 12 39.6 |
| 3 | 51 168.3 | 15 49.5 |
| 4 | 53 174.9 | 13 42.9 |
| 5 | 53 174.9 | 10 33.0 |
| 6 | 49 161.7 | 15 49.5 |
| 7 | 54 178.2 | 10 33.0 |
| 8 | 40 132.0 | 10 33.0 |
| 9 | 55 181.5 | 12 39.6 |
| 10 | 50 165.0 | 20 66.0 |
| T | 1686.3 | 425.7 |
| $\bar{x}$ | 168.6 | 42.6 |

Sertoli Cells: normal

Remarks:

E = 132 μ (2) (5)

No. 7-351 Date V/61

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 50 - 165.0 | 13 - 42.9 |
| 2 | | 58 191.4 | 13 42.9 |
| 3 | | 55 181.5 | 12 39.6 |
| 4 | | 34 112.2 | 7 23.1 |
| 5 | | 41 135.3 | 10 33.0 |
| 6 | | 45 148.5 | 11 36.3 |
| 7 | | 45 148.5 | 14 46.2 |
| 8 | | 55 181.5 | 13 42.9 |
| 9 | | 43 141.9 | 10 33.0 |
| 10 | | 60 198.0 | 14 46.2 |
| T | | 1603.8 | 386.1 |
| $\bar{x}$ | | 100.4 | 38.6 |

Sertoli Cells: good secn

Remarks:

No. 7-352 Date V/61

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 64 - 211.2 | 18 - 59.4 |
| 2 | | 66 217.8 | 10 33.0 |
| 3 | | 56 184.8 | 13 42.9 |
| 4 | | 40 132.0 | 8 26.4 |
| 5 | | 36 118.8 | 11 36.3 |
| 6 | | 54 178.2 | 14 46.2 |
| 7 | | 66 217.8 | 7 23.1 |
| 8 | | 60 198.0 | 10 33.0 |
| 9 | | 50 165.0 | 9 29.7 |
| 10 | | 41 135.3 | 8 26.4 |
| T | | 1758.9 | 356.4 |
| $\bar{x}$ | | 175.9 | 35.6 |

Sertoli Cells: none seen

Remarks:

E = 21.0 μ (3)

No. 7-353 Date V/61

Spermatogenic Condition ψ

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 51 – 168.3 | 12 – 39.6 |
| 2 | 55 – 181.5 | 12 39.6 |
| 3 | 50 165.0 | 14 46.2 |
| 4 | 56 184.8 | 13 42.9 |
| 5 | 45 – 148.5 | 10 33.0 |
| 6 | 62 204.6 | 13 42.9 |
| 7 | 50 165.0 | 15 – 49.5 |
| 8 | 52 171.6 | 14 46.2 |
| 9 | 48 158.4 | 10 33.0 |
| 10 | 55 – 181.5 | 11 36.3 |
| T | 1727.2 | 409 2 |
| $\bar{x}$ | 172.9 | 40.9 |

Sertoli Cells: [illegible]

Remarks:

$\bar{E} = 26.4\mu$ (3)

No. 7-354 Date 4/61

Spermatogenic Condition 12

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 49 — 161.7 | 5 — 16.5 |
| 2 | | 41 135.3 | 9 29.7 |
| 3 | | 46 151.8 | 10 33.0 |
| 4 | | 47 155.1 | 7 23.1 |
| 5 | | 48 158.4 | 11 36.3 |
| 6 | | 66 217.8 | 13 42.9 |
| 7 | | 50 165.0 | 17 56.1 |
| 8 | | 66 217.8 | 17 56.1 |
| 9 | | 66 217.8 | 11 36.3 |
| 10 | | 53 174.9 | 12 39.6 |
| T | | 1753.6 | 369.6 |
| $\bar{x}$ | | 175.6 | 37.0 |

Sertoli Cells: visible

Remarks:

E = 16.5 μ (1)

No. 7-355 Date 4/61

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. (2) | Seminiferous epith. height |
|---|---|---|
| 1 | 60 - 198.0 | 12 - 39.6 |
| 2 | 44 145.2 | 10 33.0 |
| 3 | 51 168.3 | 10 33.0 |
| 4 | 57 185.1 | 10 33.0 |
| 5 | 56 184.8 | 8 26.4 |
| 6 | 45 148.5 | 5 16.5 |
| 7 | 58 191.4 | 9 29.7 |
| 8 | 39 128.7 | 8 26.4 |
| 9 | 54 178.2 | 11 36.3 |
| 10 | 61 201.3 | 14 46.2 |
| T | 1732.5 | 320.1 |
| $\bar{x}$ | 173.2 | 32.0 |

Sertoli Cells: more seen

Remarks:

E = 23 1/4 (2) (5)

No. 7-356 Date 4/61

Spermatogenic Condition = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 60. - 198.0 | 14 - 46.2 |
| 2 | | 55 181.5 | 16 52.8 |
| 3 | | 56 184.8 | 13 42.9 |
| 4 | | 52 171.6 | 14 46.2 |
| 5 | | 60 198.0 | 20 66.0 |
| 6 | | 45 148.5 | 14 46.2 |
| 7 | | 66 217.8 | 15 49.5 |
| 8 | | 50 165.0 | 14 46.2 |
| 9 | | 51 168.3 | 6 19.8 |
| 10 | | 54 178.2 | 8 26.4 |
| T | | 1811.7 | 442.2 |
| $\bar{x}$ | | 181.2 | 44.2 |

Sertoli Cells: none seen

Remarks:

$\sigma$ = 53.0 μ

(3) (5)

No. 7-357 Date 4-6-61

Spermatogenic Condition VII : 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 65 - 214.5 | 15 - 49.5 |
| 2 | | 77 254.1 | 16 52.8 |
| 3 | | 65 214.5 | 15 49.5 |
| 4 | | 59 194.7 | 22 72.6 |
| 5 | | 58 191.4 | 8 26.4 |
| 6 | | 70 231.0 | 16 52.8 |
| 7 | | 62 204.6 | 16 52.8 |
| 8 | | 64 211.2 | 13 42.9 |
| 9 | | 60 198.0 | 12 39.6 |
| 10 | | 75 247.5 | 13 42.9 |
| T | | 2161.5 | 481.8 |
| $\bar{x}$ | | 216.2 | 48.2 |

Sertoli Cells:

Remarks:

F = 10.5 μ (8)

No. 7-353 Date 1/6/61

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 54. - 178.2 | 7 - 23.1 |
| 2 | | 97 155.1 | 10 33.0 |
| 3 | | 50 165.0 | 14 46.2 |
| 4 | | 36 118.8 | 7 23.1 |
| 5 | | 36 118.8 | 7 29.7 |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 735.9 | 155.1 |
| $\bar{x}$ | | 147.2 | 31.0 |

Sertoli Cells:

Remarks: Tissue a mess

No. 7-359 Date 4/61

Spermatogenic Condition VIII 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 605. - 214.5 | 10 - 33.0 |
| 2 | | 92 138.6 | 7 29.7 |
| 3 | | 46 151.8 | 14 46.2 |
| 4 | | 57 185.1 | 11 36.3 |
| 5 | | 57 194.7 | 14 46.2 |
| 6 | | 58 174.9 | 15 49.5 |
| 7 | | 65 214.5 | 14 46.2 |
| 8 | | 45 148.5 | 16 52.8 |
| 9 | | 44 145.2 | 12 39.6 |
| 10 | | 58 191.4 | 15 49.5 |
| T | | 1762.2 | 429.0 |
| $\bar{x}$ | | 176.2 | 42.9 |

Sertoli Cells: visible

Remarks:

No. 7-360 Date V/61

Spermatogenic Condition VIII = 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 69. - 221.1 | 10 - 33.0 |
| 2 | | 63 207.9 | 9 29.7 |
| 3 | | 61 201.3 | 10 33.0 |
| 4 | | 45 148.5 | 7 23.1 |
| 5 | | 46 151.8 | 10 33.0 |
| 6 | | 70 231.0 | 8 26.4 |
| 7 | | 52 171.6 | 9 29.7 |
| 8 | | 60 198.0 | 7 23.1 |
| 9 | | 61 201.3 | 8 26.4 |
| 10 | | 71 234.3 | 15 49.4 |
| T | | 1966.8 | 316.8 |
| $\bar{x}$ | | 196.7 | 31.7 |

Sertoli Cells: more open

Remarks:

E - 33.0 μ (4)

No. 1-361 Date 4/61

Spermatogenic Condition 9

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. (3) | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 43 - 90.3 | |
| 2 | | 32 67.2 | |
| 3 | | 35 73.5 | |
| 4 | | 41 86.1 | |
| 5 | | 31 65.1 | |
| 6 | | 38 79.8 | |
| 7 | | 36 75.6 | |
| 8 | | 39 81.9 | |
| 9 | | 32 67.2 | |
| 10 | | 35 73.5 | |
| T | | 760.2 | |
| $\bar{x}$ | | 76.0 | |

Sertoli Cells: visible

Remarks:

$\bar{x} = 92.1$ (1)

No. 7-362 Date 4/61

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 49 - 101.7 | 15 - 49.5 |
| 2 | 50 105.0 | 10 33.0 |
| 3 | 58 191.4 | 17 56.1 |
| 4 | 54 178.2 | 17 56.1 |
| 5 | 59 194.7 | 13 42.9 |
| 6 | 51 168.3 | 6 19.8 |
| 7 | 58 191.4 | 17 56.1 |
| 8 | 55 181.5 | 10 33.0 |
| 9 | 58 191.4 | 11 36.3 |
| 10 | 41 135.3 | 11 36.3 |
| T | 1758.9 | 419.1 |
| $\bar{x}$ | 175.9 | 41.9 |

Sertoli Cells: seen

Remarks:

E = 24.4 (4) (5)

No. 1-363 Date 4/61

Spermatogenic Condition with = 5

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 75 - 247.5 | 25 - 82.5 |
| 2 | | 66 217.8 | 21 69.3 |
| 3 | | 65 214.5 | 13 42.9 |
| 4 | | 61 201.3 | 13 42.9 |
| 5 | | 62 204.6 | 14 46.2 |
| 6 | | 68 224.4 | 21 69.3 |
| 7 | | 45 148.5 | 12 39.6 |
| 8 | | 76 250.8 | 21 69.3 |
| 9 | | 66 217.8 | 14 46.2 |
| 10 | | 63 207.9 | 12 39.6 |
| T | | 2195.1 | 517.8 |
| $\bar{x}$ | | 213.5 | 51.8 |

Sertoli Cells: visible

Remarks:

$\bar{C} = 16.5$ (5)

No. 7-364 Date 10/61

Spermatogenic Condition 6

(2)

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 66 | 217.8 | 15 | 49.5 |
| 2 | 60 | 198.0 | 9 | 29.7 |
| 3 | 61 | 201.3 | 10 | 33.0 |
| 4 | 61 | 201.3 | 7 | 23.1 |
| 5 | 49 | 161.7 | 10 | 33.0 |
| 6 | 71 | 234.3 | 12 | 39.6 |
| 7 | 45 | 148.5 | 8 | 26.4 |
| 8 | 52 | 171.6 | 12 | 39.6 |
| 9 | 50 | 165.0 | 10 | 33.0 |
| 10 | 45 | 148.5 | 12 | 39.6 |
| T | | 1848.0 | | 346.5 |
| $\bar{x}$ | | 184.8 | | 34.6 |

Sertoli Cells: none seen

Remarks:

$\bar{E}$ = 36.3 μ

(4)

No. 7-381 Date 11/61

Spermatogenic Condition 5

| Interstitial Cell nuclear diam. | Seminiferous (2) tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 31 - 102.3 | 14 - 46.2 |
| 2 | 37 122.1 | 11 36.3 |
| 3 | 35 115.5 | 14 46.2 |
| 4 | 36 118.8 | 12 39.6 |
| 5 | 36 118.8 | 8 26.4 |
| 6 | 32 105.6 | 9 29.7 |
| 7 | 37 122.1 | 8 26.4 |
| 8 | 37 122.1 | 5 16.5 |
| 9 | 28 92.4 | 5 16.5 |
| 10 | 30 99.0 | 7 23.1 |
| T | 1115.7 | 306.9 |
| $\bar{x}$ | 111.9 | 30.7 |

Sertoli Cells: none

Remarks: many tubules not yet producing sperm

E = 26.4 μ (1)

No. 1-382 Date 2/1/61

Spermatogenic Condition

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 20 - 66.0 | |
| 2 | | 19 62.7 | |
| 3 | | 16 52.8 | |
| 4 | | 14 46.2 | |
| 5 | | 22 72.6 | |
| 6 | | 18 59.4 | |
| 7 | | 22 72.6 | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | 432.3 | |
| $\bar{x}$ | | 61.8 | |

Sertoli Cells: seen

Remarks: adult animal

F-13

No. 7-388 Date VI/61

Spermatogenic Condition 6

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|
| 1 | 47 - | 155.1 | 11 - | 36.3 |
| 2 | 37 | 122.1 | 8 | 26.4 |
| 3 | 38 | 125.4 | 8 | 26.4 |
| 4 | 47 | 155.1 | 6 | 19.8 |
| 5 | 38 | 125.4 | 8 | 26.4 |
| 6 | 43 | 141.9 | 8 | 26.4 |
| 7 | 51 | 168.3 | 14 | 46.2 |
| 8 | 41 | 135.3 | 8 | 26.4 |
| 9 | 39 | 128.7 | 5 | 16.5 |
| 10 | 46 | 151.8 | 11 | 36.3 |
| T | | 1409.1 | | 287.1 |
| $\bar{x}$ | | 140.9 | | 28.7 |

Sertoli Cells: seen

Remarks:

E = 16.5 μ

(2)

No. 7-389 Date VI/61

Spermatogenic Condition 10

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 40 - 132.0 | 7 - 23.1 |
| 2 | | 44 145.2 | 8 26.4 |
| 3 | | 45 ~~145.2~~ 148.5 | 10 33.0 |
| 4 | | 43 141.9 | 8 26.4 |
| 5 | | 44 145.2 | 6 19.8 |
| 6 | | 41 135.3 | 10 33.0 |
| 7 | | 42 138.6 | 8 26.4 |
| 8 | | 46 151.8 | 6 19.8 |
| 9 | | 52 138.6 | 10 33.0 |
| 10 | | 46 151.8 | 4 13.2 |
| T | | 1428.9 | 254.1 |
| $\bar{x}$ | | 142.9 | 25.4 |

Sertoli Cells: 40 u

Remarks:

E = 33.0 u (3)

No. 7-392 Date VI/61

Spermatogenic Condition [illegible] 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 50 - 165.0 | 10 - 33.0 |
| 2 | | 46 151.8 | 6 19.8 |
| 3 | | 37 122.1 | 10 33.0 |
| 4 | | 44 145.2 | 11 36.3 |
| 5 | | 40 132.0 | 12 39.6 |
| 6 | | 36 118.8 | 9 29.7 |
| 7 | | 37 122.1 | 8 26.4 |
| 8 | | 40 132.0 | 7 23.1 |
| 9 | | 47 155.1 | 9 29.7 |
| 10 | | 46 151.8 | 8 26.4 |
| T | | 1395.9 | 297.0 |
| $\bar{x}$ | | 139.6 | 29.7 |

Sertoli Cells: [illegible]

Remarks:

$\bar{c}$ = 26.4 μ (3)

No. 7-393 Date 11/6/61

Spermatogenic Condition 6

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | | Seminiferous epith. height | |
|---|---|---|---|---|---|
| 1 | | 37 | 122.1 | 9 | 29.7 |
| 2 | | 36 | 118.8 | 9 | 29.7 |
| 3 | | 30 | 99.0 | 10 | 33.0 |
| 4 | | 36 | 118.8 | 8 | 26.4 |
| 5 | | 37 | 122.1 | 5 | 16.5 |
| 6 | | 36 | 118.8 | 8 | 26.4 |
| 7 | | 32 | 105.6 | 8 | 26.4 |
| 8 | | 30 | 99.0 | 10 | 33.0 |
| 9 | | 30 | 99.0 | 5 | 16.5 |
| 10 | | 40 | 132.0 | 10 | 33.0 |
| T | | | 1135.2 | | 270.6 |
| $\bar{x}$ | | | 113.5 | | 27.1 |

Sertoli Cells: [illegible]

Remarks:

6 = 28.1 μ (2)

No. 7-395 Date VII/61

Spermatogenic Condition 8

| Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|
| 1 | 16 - 52.8 | |
| 2 | 20 66.0 | |
| 3 | 16 52.8 | |
| 4 | 18 59.4 | |
| 5 | 15 49.5 | |
| 6 | 18 59.4 | |
| 7 | 22 72.6 | |
| 8 | 23 75.9 | |
| 9 | 22 72.6 | |
| 10 | 20 66.0 | |
| T | 627.0 | |
| $\bar{x}$ | 62.7 | |

Sertoli Cells:

Remarks: some w/ single lumen

E= 14.7 μ

(2)

No. 7-396 Date 4/4/61

Spermatogenic Condition (3) = 8

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 24 – 60.9 | |
| 2 | | 30 63.0 | |
| 3 | | 31 65.1 | |
| 4 | | 25 52.5 | |
| 5 | | 26 54.6 | |
| 6 | | 28 58.8 | |
| 7 | | 25 52.5 | |
| 8 | | 24 50.4 | |
| 9 | | 26 54.6 | |
| 10 | | 30 63.0 | |
| T | | 575.4 | |
| $\bar{x}$ | | 57.5 | |

Sertoli Cells: visible

Remarks:

$\bar{x} = 5.9\ \mu$ (1)

No. 7-397 Date VII/61

Spermatogenic Condition (2) = 3

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| 1 | | 33 – 108.9 | 10 – 33.0 |
| 2 | | 31 102.3 | 9 29.7 |
| 3 | | 33 108.9 | 3 9.9 |
| 4 | | 35 – 115.5 | 6 19.8 |
| 5 | | 45 – 148.5 | 11 36.3 |
| 6 | | 36 118.8 | 10 33.0 |
| 7 | | 36 118.8 | 10 33.0 |
| 8 | | 36 118.8 | 9 29.7 |
| 9 | | 33 108.9 | 9 29.7 |
| 10 | | 42 138.6 | 5 – 16.5 |
| T | | 1188.0 | 270.6 |
| $\bar{x}$ | | 118.8 | 27.1 |

Sertoli Cells: seen

Remarks:

$\bar{E}$ = 19.8 μ

No. 7-399 Date VII/61

Spermatogenic Condition 7+

| | Interstitial Cell nuclear diam. | Seminiferous tubule diam. | Seminiferous epith. height |
|---|---|---|---|
| | | μ. m. | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| T | | | |
| $\bar{x}$ | | | |

Sertoli Cells: visible

Remarks:

$\bar{E}$ = 16.5 μ (1)

R-351

STEEL BACKPLATE

S. E. & M. VERNON, INC.

U. S. A.